22nd Edition

PRODUCT SHORTFORM

TAIWAN SEMICONDUCTOR

The Smartest Choice

www.taiwansemi.com

INTRODUCTION

Taiwan Semiconductor was established in 1979 by its current CEO Arthur Wang. Taiwan Semiconductor has developed, since its establishment, continuously from a local manufacturer to a global enterprise. Taiwan Semiconductor currently employs 2,300 people worldwide and in its fiscal year 2010 reached revenue of US$166 million. Since the year 2000, the company is traded on the Stock Exchange Corporation in Taipei (Taiwan). More than 30 years in manufacture and marketing of discrete semiconductor devices constitute the core competence of Taiwan Semiconductor. Through the expansion of its product portfolio to include Analog ICs, Power Transistors and MOSFETs Taiwan Semiconductor provides a complete solution from one source.

Taiwan Semiconductor's production facilities in both China and Taiwan are aligned with the current Automotive Industry requirements in accordance with current standards such as TS16949, ISO9001 and ISO14001. Alongside locations in Asia, Taiwan Semiconductor also has Sales Offices in Europe and America. In addition to the multilingual European headquarters based in Zorneding, Germany, Taiwan Semiconductor furthermore serves its customers from offices both in France and the United Kingdom.

Products from Taiwan Semiconductor find usage in a vast array of applications in the electronics industry, including automotive, computer, consumer, industrial, telecom and photovoltaic. Through the strategic expansion of innovative manufacturing capabilities and its focus on pioneering efficient semiconductor solutions Taiwan Semiconductor is the right choice for a successful and lasting business relationship.

The main advantages for our customers located in the following areas:

- A broad selection of products from one source
- Modern, efficient and customer-oriented logistic processes
- Maximum flexibility including customer specific requirements
- Maximum level of quality and performance for your application

Whether directly or through one of our distribution partners: Taiwan Semiconductor will help you solve your needs and gladly support your special application requirements.

Contents

Product Family

Contents

Product Family

Appendix

SWITCHING DIODES & ARRAY

Part No.	Absolute Max. Rating (Ta= 25ºC)						Electrical Characteristics (Ta= 25ºC)							Package
	V_{RRM}	V_R	Io	P_D	I_{FSM}		V_F(V) Max.		I_R(uA) Max.		C_J(pF) Typ.			
	(V)	(V)	(mA)	mW	(A)	@mS		I_F(mA)		V_R(V)		V_R(V)	f (MHz)	
TS4148C RZG	75	75	100	200	0.1	8.3	1	10	5	75	4	0	1	0603
TS4148 RZG	75	75	150	150	1	1	1	50	2.5	75	4	0	1	0603
TS4448 RZ	100	80	125	150	1	8.3	1	100	0.1	80	9	0.5	1	0603
TS4148 RYG	75	75	150	400	2	8.3	1	10	5	75	4	0	1	0805
TS4148 RWG	75	75	150	350	1	1	1	50	2.5	75	4	0	1	1005
TS4448 RW	100	80	125	200	1	8.3	1	100	0.1	80	9	0	1	1005
TS4148 RXG	75	75	150	400	2	8.3	1	10	5	75	4	0	1	1206
1N4148W	75	100	150	400	-	-	1	10	5	75	4	0	1	SOD-123
1N4448W	75	100	150	400	-	-	0.72	5	5	75	4	0	1	SOD-123
BAV19W	250	120	200	410	1	0.001	1	100	0.1	100	5	0	1	SOD-123
BAV20W	250	200	200	410	1	0.001	1	100	0.1	150	5	0	1	SOD-123
BAV21W	250	250	200	410	1	0.001	1	100	0.1	200	5	0	1	SOD-123
BA782	-	35	100	-	-	-	1	100	0.05	20	1.5	1	1	SOD-123
1N4148WS	100	100	150	200	2	10	1	10	5	75	4	0	1	SOD-323
1N4448WS	100	100	150	200	2	10	0.72	5	5	75	4	0	1	SOD-323
BAV19WS	250	120	200	200	2.5	0.001	1	100	0.1	100	5	0	1	SOD-323
BAV20WS	250	200	200	200	2.5	0.001	1	100	0.1	150	5	0	1	SOD-323
BAV21WS	250	250	200	200	2.5	0.001	1	100	0.1	200	5	0	1	SOD-323
BAS316WS	-	100	250	200	1	1	1	50	1	75	1.5	0	1	SOD-323
BAS316	-	100	250	200	1	1	0.855	10	1	75	1.5	0	1	SOD-323G
1N4148WT	100	75	125	150	1	100	1	50	1	75	2	0	1	SOD-523
1SS400	100	100	200	200	0.5	1000	1.2	100	0.1	80	4	0.5	1	SOD-523
1SS510WT	-	50	50	-	-	-	-	-	0.1	50	0.25	50	1	SOD-523
1SS400G	-	80	100	-	0.5	1000	1.2	100	0.1	80	3	0.5	1	SOD-723
1SS400CS	-	80	100	-	0.5	1000	1.2	100	0.1	80	3	0.5	1	SOD-923
BAS16	75	75	150	225	2	1	1.25	150	1	75	2	0	1	SOT-23
BAS19	100	100	200	250	-	-	1.25	200	0.1	100	5	0	1	SOT-23
BAS20	150	150	200	250	-	-	1.25	200	0.1	150	5	0	1	SOT-23
BAS21/A/C/S	250	250	200	225	1	8.3	1.25	200	1	200	5	0	1	SOT-23
BAS116	75	75	200	225	0.5	10	1.25	150	5	75	2	0	1	SOT-23
BAV70	70	70	200	225	2	0.001	1.25	150	2.5	70	6	0	1	SOT-23
BAV99	70	70	200	225	2	0.001	1.25	150	2.5	70	6	0	1	SOT-23
BAW56	70	70	200	225	2	0.001	1.25	150	2.5	70	6	0	1	SOT-23
MMBD3004/CA/CC/SE	350	350	225	350	4	0.001	1	100	0.1	240	5	0	1	SOT-23
MMBD4148/SE/CC/CA	100	75	200	350	2	0.001	1	10	5	75	4	0	1	SOT-23
1SS226	85	80	100	350	2	10	1.2	100	0.5	80	3	0	1	SOT-23
BAS19H	-	120	200	350	2.5	0.001	1	100	0.1	100	5	0	1	SOT-23
BAS20H	-	200	200	350	2.5	0.001	1	100	0.1	150	5	0	1	SOT-23
BAS21H	-	250	200	350	2.5	0.001	1	100	0.1	200	5	0	1	SOT-23
MMBD202CW/AW	80	80	100	200	4	0.001	1.2	100	0.1	70	3.5	6	1	SOT-323

SWITCHING DIODES & ARRAY

Part No.	Absolute Max. Rating (Ta= 25ºC)						Electrical Characteristics (Ta= 25ºC)							Package
	V_{RRM}	V_R	Io	P_D	I_{FSM}		V_F(V) Max.		I_R(uA) Max.		C_J(pF) Typ.			
	(V)	(V)	(mA)	mW	(A)	@mS		I_F(mA)		V_R(V)		V_R(V)	f (MHz)	
MMBD217W	80	80	100	200	4	0.001	1.2	100	0.1	70	3.5	6	1	SOT-323
BAV99W	85	75	150	200	4	0.001	1	50	1	75	1.5	0	1	SOT-323
BAT54W/AW/CW/SW	30	30	200	200	0.6	10	1	100	2	25	10	1	1	SOT-323
BAV99S	85	75	200	250	4.5	0.001	1	50	1	75	1.5	0	1	SOT-363
BAV56DW/70DW	100	75	150	200	2	0.001	1	50	2.5	75	2	0	1	SOT-363
BAS16TW	75	75	150	200	2	0.001	1	50	1	75	2	10	1	SOT-363
MMBD4148E/SEE/CCE/CAE	100	75	200	150	2	0.001	1	10	5	75	4	0	1	SOT-523
1N4148	100	100	150	500	2	0.001	1	10	5	75	4	0	1	DO-35
1N4448	100	100	150	500	2	0.001	1	100	5	75	4	0	1	DO-35
BAV19	-	120	200	500	4	0.001	1	100	0.1	100	5	0	1	DO-35
BAV20	-	200	200	500	4	0.001	1	100	0.1	150	5	0	1	DO-35
BAV21	-	250	200	500	4	0.001	1	100	0.1	200	5	0	1	DO-35
1SS133	90	80	130	300	0.6	1000	1.2	100	0.5	80	2	0.5	1	DO-35
1SS133M	-	90	150	300	2	-	1.2	100	0.5	80	4	0	1	DO-34
BAV100	250	60	200	500	4	0.001	1	100	0.1	50	5	0	1	MMELF
BAV101	250	120	200	500	4	0.001	1	100	0.1	100	5	0	1	MMELF
BAV102	250	200	200	500	4	0.001	1	100	0.1	150	5	0	1	MMELF
BAV103	250	250	200	500	4	0.001	1	100	0.1	200	5	0	1	MMELF
LL4148	100	100	150	500	2	8.3	1	10	5	75	4	0	1	MMELF
LL4448	100	100	150	500	2	8.3	1	100	5	75	4	0	1	MMELF
LS4148	100	100	150	500	2	10	1	10	5	75	4	0	1	QMMELF
LS4448	100	100	150	500	2	10	1	100	5	75	4	0	1	QMMELF
MCL4148	100	75	200	500	1	1	1	50	5	75	4	0	1	Micro MELF

SCHOTTKY DIODES AND ARRAY

Part No.	V_{RM}	Io	I_{FSM}	V_F (V) max	I_R (mA) max.	Typical	T_j	P_D	Package
	(V)	(A)	(A)	T_A=25ºC	T_A=25ºC	$R\theta_{JA}$(ºC/W)	(ºC)	mW	
TSS0230LV	35	200	1	0.5	30	-	125	125	0402
TSS0230RV	35	200	1	0.6	1	-	125	125	0402
TSS0230U	35	200	1	0.6	1	1.5		150	0603
TSS0340U	45	30	0.5	0.37	0.5	1.5		150	0603
TSS40U	40	200	0.6	0.38	0.2	5	125	150	0603
TSS42U	30	200	4	0.4	0.5	10	125	150	0603
TSS43U	30	200	4	0.45	0.5	10	125	150	0603
TSS54U	30	200	0.6	0.32	2	10	125	150	0603
TSS70U	70	70	0.1	0.41	0.1	2	125	150	0603
B0203CU	30	200	1	0.6	1	-	125	200	0603
TSS0340L	45	30	0.5	0.37	0.5	1.5	125	200	1005
TSS40L	40	200	0.6	0.38	0.2	3	125	200	1005
TSS42L	30	200	4	0.4	0.5	10	125	200	1005
TSS43L	30	200	4	0.45	0.5	10	125	200	1005
TSS54L	30	200	0.6	0.32	2	10	125	200	1005
TSS70L	70	70	0.1	0.41	0.1	2	125	200	1005
B0520LW	20	500	5.5	0.39	250	170	150	410	SOD-123G
B0530W	30	500	5.5	0.43	130	170	150	410	SOD-123G
B0540W	40	500	5.5	0.51	20	170	150	410	SOD-123G
B0520LWF	20	500	-	0.385	250	-	150	-	SOD-123
B0530WF	30	500	-	0.5	130	-	150	-	SOD-123
B0540WF	40	500	-	0.51	20	-	150	-	SOD-123
BAT42W	30	200	4	0.4	0.5	10	0	200	SOD-123G
BAT43W	30	200	4	0.45	0.5	10	0	200	SOD-123G
SD101AW	60	15	2	1	0.2	2	0	400	SOD-123G
SD101BW	50	15	2	0.95	0.2	2.1	0	400	SOD-123G
SD101CW	40	15	2	0.9	0.2	2.2	0	400	SOD-123G
SD103AW	40	350	1.5	0.6	5	5	0	400	SOD-123G
SD103BW	30	350	1.5	0.6	5	5	0	400	SOD-123G
SD103CW	20	350	1.5	0.6	5	5	0	400	SOD-123G
B0530WS	30	500	5	0.47	100	58	150	200	SOD-323
BAT42WS	30	200	4	0.4	0.5	7	0	200	SOD-323
BAT43WS	30	200	4	0.45	0.5	7	0	200	SOD-323
RB500V-40	45	100	1	0.45	1	6	125	200	SOD-323
RB751V-40WS	40	30	0.2	0.37	0.5	2	125	200	SOD-323
RB751V-40	40	30	0.2	0.37	0.5	2	125	200	SOD-323G
BAT165WS	-	750	2.5	0.4	50	12	150	600	SOD-323
RB551V-30	30	500	2	0.36	100	-	125	-	SOD-323
RB520S-30	30	200	1	0.6	1	-	125	200	SOD-523
RB521S-30	30	200	1	0.5	30	-	125	200	SOD-523
SD103AXG	-	200	1	0.29	0.5	20	150		SOD-523
1SS06WT	-	-	1	0.6	0.5	20	150	200	SOD-523

TAIWAN SEMICONDUCTOR
The Smartest Choice

SCHOTTKY DIODES AND ARRAY

Part No.	V_{RM}	Io	I_{FSM}	V_F (V) max	I_R (mA) max.	Typical	T_j	P_D	Package
	(V)	(A)	(A)	T_A=25ºC	T_A=25ºC	$R\theta_{JA}$(ºC/W)	(ºC)	mW	
1SS389	15	100	1	0.5	20	40	125	150	SOD-523
RB751S-40	40	30	0.2	0.37	0.5	2	125	-	SOD-523
RB520G-30	-	100	0.5	0.45	0.5	-	125	-	SOD-723
RB521G-30	-	100	1	0.35	10	-	125	-	SOD-723
RB521CS-30	30	100	0.5	0.35	0.5	-	125	100	SOD-923
RB520CS-30	30	100	0.5	0.45	0.5	-	150	100	SOD-923
RB751CS-40	40	30	0.2	0.37	0.5	-	150	100	SOD-923
BAS40/04/05/06	40	200	0.6	0.38	0.2	5	150	200	SOT-23
BAS70/04/05/06	70	70	0.1	0.41	0.1	2	125	200	SOT-23
BAT54/A/C/S	30	200	0.6	0.32	2	10	150	230	SOT-23
RB495D	40	350	1.5	0.32	70	50	125	200	SOT-23
RB706F-40	45	30	0.2	0.37	1	2	125	-	SOT-323
BAT54W/AW/CW/SW	30	200	0.6	0.32	2	10	125	200	SOT-323
BAT54T/AD/CD/SD/BR	30	200	0.6	0.32	2	10	125	200	SOT-363
BAT42	30	200	4	0.4	0.5	7	0	200	DO-35
BAT43	30	200	4	0.33	0.5	7	0	200	DO-35
LL5817	20	1000	25	0.45	0.1	110	150	-	MELF
LL5818	30	1000	25	0.55	0.1	110	150	-	MELF
LL5819	40	1000	25	0.6	0.1	110	150	-	MELF
LSR102	20	1000	25	0.55	1	110	150	-	MELF
LSR103	30	1000	25	0.55	1	110	150	-	MELF
LSR104	40	1000	25	0.55	1	110	150	-	MELF
LSR105	50	1000	25	0.7	1	80	150	-	MELF
LSR106	60	1000	25	0.7	1	80	150	-	MELF
BAS85	30	200	4	0.32	2	10	150	200	MMELF

SURFACE MOUNT SCHOTTKY BARRIER RECTIFIERS

Part No.	V_{RM} (V)	Io (A)	I_{FSM} (A)	V_F (V) max T_A=25ºC	I_R (mA) max. T_A=25ºC	Typical $R\theta_{JA}$(ºC/W)	T_j (ºC)	Package
SS13M	30	1	25	0.55	0.05	125	150	Micro SMA
SS14M	40	1	25	0.55	0.05	125	150	Micro SMA
SS16M	60	1	25	0.68	0.05	125	150	Micro SMA
SS12L	20	1	30	0.45	0.4	100	150	SUB SMA
SS13L	30	1	30	0.5	0.4	100	150	SUB SMA
SS14L	40	1	30	0.55	0.4	100	150	SUB SMA
SS15L	50	1	30	0.7	0.4	100	150	SUB SMA
SS16L	60	1	30	0.7	0.4	100	150	SUB SMA
SS19L	90	1	30	0.8	0.05	100	150	SUB SMA
SS110L	100	1	30	0.8	0.05	100	150	SUB SMA
SS115L	150	1	30	0.9	0.05	100	150	SUB SMA
SS12	20	1	30	0.5	0.4	88	150	SMA(DO-214AC)
SS13	30	1	30	0.5	0.4	88	150	SMA(DO-214AC)
SS14	40	1	30	0.5	0.4	88	150	SMA(DO-214AC)
SS15	50	1	30	0.75	0.4	88	150	SMA(DO-214AC)
SS16	60	1	30	0.75	0.4	88	150	SMA(DO-214AC)
SS19	90	1	30	0.8	0.1	88	150	SMA(DO-214AC)
SS110	100	1	30	0.8	0.1	88	150	SMA(DO-214AC)
SS115	150	1	30	0.8	0.1	88	150	SMA(DO-214AC)
SSL12	20	1	50	0.39	0.2	88	150	SMA(DO-214AC)
SSL13	30	1	50	0.39	0.2	88	150	SMA(DO-214AC)
SSL14	40	1	50	0.39	0.2	88	150	SMA(DO-214AC)
LL5817	20	1	25	0.45	0.1	80	150	MELF
LL5818	30	1	25	0.55	0.1	80	150	MELF
LL5819	40	1	25	0.6	0.1	80	150	MELF
LSR102	20	1	30	0.55	1	15	150	MELF
LSR103	30	1	30	0.55	1	15	150	MELF
LSR104	40	1	30	0.55	1	15	150	MELF
LSR105	50	1	30	0.7	1	15	150	MELF
LSR106	60	1	30	0.7	1	15	150	MELF
SK12B	20	1	30	0.5	0.5	25 ($R\theta JL$)	150	SMB(DO-214AA)
SK13B	30	1	30	0.5	0.5	25 ($R\theta JL$)	150	SMB(DO-214AA)
SK14B	40	1	30	0.5	0.5	25 ($R\theta JL$)	150	SMB(DO-214AA)
SK15B	50	1	30	0.75	0.5	25 ($R\theta JL$)	150	SMB(DO-214AA)
SK16B	60	1	30	0.75	0.5	25 ($R\theta JL$)	150	SMB(DO-214AA)
SK19B	90	1	30	0.85	0.1	25 ($R\theta JL$)	150	SMB(DO-214AA)
SK110B	100	1	30	0.85	0.1	25 ($R\theta JL$)	150	SMB(DO-214AA)
SK115B	150	1	30	0.95	0.1	25 ($R\theta JL$)	150	SMB(DO-214AA)
SKL13B	30	1	50	0.39	0.2	85	150	SMB(DO-214AA)
SS22M	20	2	25	0.6	0.15	105	150	Micro SMA
SS23M	30	2	25	0.6	0.15	105	150	Micro SMA
SS22L	20	2	50	0.5	0.4	75	150	SUB SMA

SURFACE MOUNT SCHOTTKY BARRIER RECTIFIERS

Part No.	V_{RM} (V)	Io (A)	I_{FSM} (A)	V_F (V) max T_A=25ºC	I_R (mA) max. T_A=25ºC	Typical $R\theta_{JA}$(ºC/W)	T_j (ºC)	Package
SS23L	30	2	50	0.5	0.4	75	150	SUB SMA
SS24L	40	2	50	0.5	0.4	75	150	SUB SMA
SS25L	50	2	50	0.7	0.4	75	150	SUB SMA
SS26L	60	2	50	0.7	0.4	75	150	SUB SMA
SS29L	90	2	50	0.85	0.1	75	150	SUB SMA
SS210L	100	2	50	0.85	0.1	75	150	SUB SMA
SS215L	150	2	50	0.85	0.1	75	150	SUB SMA
SK22A	20	2	50	0.5	0.5	88	150	SMA(DO-214AC)
SK23A	30	2	50	0.5	0.5	88	150	SMA(DO-214AC)
SK24A	40	2	50	0.5	0.5	88	150	SMA(DO-214AC)
SK25A	50	2	50	0.7	0.5	88	150	SMA(DO-214AC)
SK26A	60	2	50	0.7	0.5	88	150	SMA(DO-214AC)
SK29A	90	2	50	0.85	0.1	88	150	SMA(DO-214AC)
SK210A	100	2	50	0.85	0.1	88	150	SMA(DO-214AC)
SK215A	150	2	50	0.95	0.1	88	150	SMA(DO-214AC)
SS22	20	2	50	0.5	0.4	75	150	SMB(DO-214AA)
SS23	30	2	50	0.5	0.4	75	150	SMB(DO-214AA)
SS24	40	2	50	0.5	0.4	75	150	SMB(DO-214AA)
SS25	50	2	50	0.7	0.4	75	150	SMB(DO-214AA)
SS26	60	2	50	0.7	0.4	75	150	SMB(DO-214AA)
SS29	90	2	50	0.85	0.1	75	150	SMB(DO-214AA)
SS210	100	2	50	0.85	0.1	75	150	SMB(DO-214AA)
SS215	150	2	50	0.85	0.1	75	150	SMB(DO-214AA)
SSH210	100	2	50	0.85	0.1	70	175	SMB(DO-214AA)
SSL22	20	2	80	0.41	0.4	70	150	SMB(DO-214AA)
SSL23	30	2	80	0.41	0.4	70	150	SMB(DO-214AA)
SSL24	40	2	80	0.41	0.4	70	150	SMB(DO-214AA)
SK32A	20	3	70	0.55	0.5	88	150	SMA(DO-214AC)
SK33A	30	3	70	0.55	0.5	88	150	SMA(DO-214AC)
SK34A	40	3	70	0.55	0.5	88	150	SMA(DO-214AC)
SK35A	50	3	70	0.75	0.5	88	150	SMA(DO-214AC)
SK36A	60	3	70	0.75	0.5	88	150	SMA(DO-214AC)
SK39A	90	3	70	0.85	0.1	88	150	SMA(DO-214AC)
SK310A	100	3	70	0.85	0.1	88	150	SMA(DO-214AC)
SK315A	150	3	70	0.95	0.1	88	150	SMA(DO-214AC)
SK320A	200	3	70	0.95	0.1	88	150	SMA(DO-214AC)
SK32B	20	3	70	0.5	0.5	75	150	SMB(DO-214AA)
SK33B	30	3	70	0.5	0.5	75	150	SMB(DO-214AA)
SK34B	40	3	70	0.5	0.5	75	150	SMB(DO-214AA)
SK35B	50	3	70	0.75	0.5	75	150	SMB(DO-214AA)
SK36B	60	3	70	0.75	0.5	75	150	SMB(DO-214AA)
SK39B	90	3	70	0.85	0.1	75	150	SMB(DO-214AA)

SURFACE MOUNT SCHOTTKY BARRIER RECTIFIERS

Part No.	V_{RM} (V)	Io (A)	I_{FSM} (A)	V_F (V) max T_A=25ºC	I_R (mA) max. T_A=25ºC	Typical $R\theta_{JA}$(ºC/W)	T_j (ºC)	Package
SK310B	100	3	70	0.85	0.1	75	150	SMB(DO-214AA)
SK315B	150	3	70	0.95	0.1	75	150	SMB(DO-214AA)
SK320B	200	3	70	0.95	0.1	75	150	SMB(DO-214AA)
SS32	20	3	100	0.5	0.5	55	150	SMC(DO-214AB)
SS33	30	3	100	0.5	0.5	55	150	SMC(DO-214AB)
SS34	40	3	100	0.5	0.5	55	150	SMC(DO-214AB)
SS35	50	3	70	0.75	0.5	55	150	SMC(DO-214AB)
SS36	60	3	70	0.75	0.5	55	150	SMC(DO-214AB)
SS39	90	3	70	0.85	0.1	55	150	SMC(DO-214AB)
SS310	100	3	70	0.85	0.1	55	150	SMC(DO-214AB)
SS315	150	3	70	0.85	0.1	55	150	SMC(DO-214AB)
SS320	200	3	70	0.85	0.1	55	150	SMC(DO-214AB)
SSL32	20	3	100	0.41	0.2	55	150	SMC(DO-214AB)
SSL33	30	3	100	0.41	0.2	55	150	SMC(DO-214AB)
SSL34	40	3	100	0.41	0.5	55	150	SMC(DO-214AB)
SK52B	20	5	120	0.55	0.5	60	150	SMB(DO-214AA)
SK53B	30	5	120	0.55	0.5	60	150	SMB(DO-214AA)
SK54B	40	5	120	0.55	0.5	60	150	SMB(DO-214AA)
SK55B	50	5	120	0.75	0.5	60	150	SMB(DO-214AA)
SK56B	60	5	120	0.75	0.5	60	150	SMB(DO-214AA)
SK59B	90	5	120	0.85	0.1	60	150	SMB(DO-214AA)
SK510B	100	5	120	0.85	0.1	60	150	SMB(DO-214AA)
SK515B	150	5	120	0.95	0.1	60	150	SMB(DO-214AA)
SK52C	20	5	120	0.55	0.5	50	150	SMC(DO-214AB)
SK53C	30	5	120	0.55	0.5	50	150	SMC(DO-214AB)
SK54C	40	5	120	0.55	0.5	50	150	SMC(DO-214AB)
SK55C	50	5	120	0.75	0.5	50	150	SMC(DO-214AB)
SK56C	60	5	120	0.75	0.5	50	150	SMC(DO-214AB)
SK59C	90	5	120	0.85	0.3	50	150	SMC(DO-214AB)
SK510C	100	5	120	0.85	0.3	50	150	SMC(DO-214AB)
SK515C	150	5	120	0.95	0.3	50	150	SMC(DO-214AB)
SK520C	200	5	120	0.95	0.3	50	150	SMC(DO-214AB)
SK82C	20	8	150	0.55	0.5	20	125	SMC(DO-214AB)
SK83C	30	8	150	0.55	0.5	20	125	SMC(DO-214AB)
SK84C	40	8	150	0.55	0.5	20	125	SMC(DO-214AB)
SK85C	50	8	150	0.75	0.5	20	150	SMC(DO-214AB)
SK86C	60	8	150	0.75	0.5	20	150	SMC(DO-214AB)
SRAS820	20	8	150	0.55	0.1	3 (RθJC)	150	D^2PAK (TO-263)
SRAS830	30	8	150	0.55	0.1	3 (RθJC)	150	D^2PAK (TO-263)
SRAS840	40	8	150	0.55	0.1	3 (RθJC)	150	D^2PAK (TO-263)
SRAS850	50	8	150	0.7	0.1	3 (RθJC)	150	D^2PAK (TO-263)
SRAS860	60	8	150	0.7	0.1	3 (RθJC)	150	D^2PAK (TO-263)

SURFACE MOUNT SCHOTTKY BARRIER RECTIFIERS

Part No.	V_{RM} (V)	Io (A)	I_{FSM} (A)	V_F (V) max T_A=25ºC	I_R (mA) max. T_A=25ºC	Typical $R\theta_{JC}$(ºC/W)	T_j (ºC)	Package
SRAS890	90	8	150	0.95	0.1	3	150	D^2PAK (TO-263)
SRAS8100	100	8	150	0.95	0.1	3	150	D^2PAK (TO-263)
SRAS8150	150	8	150	0.95	0.1	3	150	D^2PAK (TO-263)
MBRD10150D	150	10	120	0.88	0.1	16	150	DPAK (TO-252)
MBRS1035	35	10	120	-	0.1	2	175	D^2PAK (TO-263)
MBRS1045	45	10	120	-	0.1	2	175	D^2PAK (TO-263)
MBRS1050	50	10	120	0.8	0.1	2	175	D^2PAK (TO-263)
MBRS1060	60	10	120	0.8	0.1	2	175	D^2PAK (TO-263)
MBRS1090	90	10	120	0.85	0.1	2	175	D^2PAK (TO-263)
MBRS10100	100	10	120	0.85	0.1	2	175	D^2PAK (TO-263)
MBRS10150	150	10	120	1.05	0.1	2	175	D^2PAK (TO-263)
MBRS1035CT	35	10	120	0.7	0.1	2	150	D^2PAK (TO-263)
MBRS1045CT	45	10	120	0.7	0.1	2	150	D^2PAK (TO-263)
MBRS1050CT	50	10	120	0.8	0.1	2	150	D^2PAK (TO-263)
MBRS1060CT	60	10	120	0.8	0.1	2	150	D^2PAK (TO-263)
MBRS1090CT	90	10	120	0.85	0.1	2	150	D^2PAK (TO-263)
MBRS10100CT	100	10	120	0.85	0.1	2	150	D^2PAK (TO-263)
MBRS10150CT	150	10	120	0.95	0.1	2	150	D^2PAK (TO-263)
MBRS10H100CT	100	10	120	0.85	0.005	3.5	175	D^2PAK (TO-263)
MBRS10H150CT	150	10	120	0.88	0.005	3.5	175	D^2PAK (TO-263)
MBRS10H200CT	200	10	120	0.88	0.005	3.5	175	D^2PAK (TO-263)
SRS1020	20	10	120	0.55	0.5	2	150	D^2PAK (TO-263)
SRS1030	30	10	120	0.55	0.5	2	150	D^2PAK (TO-263)
SRS1040	40	10	120	0.55	0.5	2	150	D^2PAK (TO-263)
SRS1050	50	10	120	0.7	0.5	2	150	D^2PAK (TO-263)
SRS1060	60	10	120	0.7	0.5	2	150	D^2PAK (TO-263)
SRS1090	90	10	120	0.9	0.1	2	150	D^2PAK (TO-263)
SRS10100	100	10	120	0.9	0.1	2	150	D^2PAK (TO-263)
SRS10150	150	10	120	0.9	0.1	2	150	D^2PAK (TO-263)
MBRS1535CT	35	15	150	-	0.1	2	150	D^2PAK (TO-263)
MBRS1545CT	45	15	150	-	0.1	2	150	D^2PAK (TO-263)
MBRS1550CT	50	15	150	0.75	0.1	2	150	D^2PAK (TO-263)
MBRS1560CT	60	15	150	0.75	0.1	2	150	D^2PAK (TO-263)
MBRS1590CT	90	15	150	0.92	0.1	2	150	D^2PAK (TO-263)
MBRS15100CT	100	15	150	0.92	0.1	2	150	D^2PAK (TO-263)
MBRS15150CT	150	15	150	0.95	0.1	2	150	D^2PAK (TO-263)
MBRS15H45CT	45	15	150	0.64	0.3	2	175	D^2PAK (TO-263)
MBRS1635	35	16	150	0.63	0.5	1.5	150	D^2PAK (TO-263)
MBRS1645	45	16	150	0.63	0.5	1.5	150	D^2PAK (TO-263)
MBRS1650	50	16	150	0.75	0.5	1.5	150	D^2PAK (TO-263)
MBRS1660	60	16	150	0.75	0.5	1.5	150	D^2PAK (TO-263)
MBRS1690	90	16	150	0.85	0.3	1.5	150	D^2PAK (TO-263)

SURFACE MOUNT SCHOTTKY BARRIER RECTIFIERS

Part No.	V_{RM} (V)	Io (A)	I_{FSM} (A)	V_F (V) max T_A=25ºC	I_R (mA) max. T_A=25ºC	Typical $R\theta_{JC}$(ºC/W)	T_j (ºC)	Package
MBRS16100	100	16	150	0.85	0.3	1.5	150	D^{2}PAK (TO-263)
MBRS16150	150	16	150	0.95	0.1	1.5	150	D^{2}PAK (TO-263)
SRS1620	20	16	150	0.55	0.5	2	150	D^{2}PAK (TO-263)
SRS1630	30	16	150	0.55	0.5	2	150	D^{2}PAK (TO-263)
SRS1640	40	16	150	0.55	0.5	2	150	D^{2}PAK (TO-263)
SRS1650	50	16	150	0.7	0.5	2	150	D^{2}PAK (TO-263)
SRS1660	60	16	150	0.7	0.5	2	150	D^{2}PAK (TO-263)
SRS1690	90	16	150	0.9	0.1	2	150	D^{2}PAK (TO-263)
SRS16100	100	16	150	0.9	0.1	2	150	D^{2}PAK (TO-263)
MBRS2035CT	35	20	150	-	0.1	1.5	150	D^{2}PAK (TO-263)
MBRS2045CT	45	20	150	-	0.1	1.5	150	D^{2}PAK (TO-263)
MBRS2050CT	50	20	150	0.8	0.1	1.5	150	D^{2}PAK (TO-263)
MBRS2060CT	60	20	150	0.8	0.1	1.5	150	D^{2}PAK (TO-263)
MBRS2090CT	90	20	150	0.85	0.1	2	150	D^{2}PAK (TO-263)
MBRS20100CT	100	20	150	0.85	0.1	2	150	D^{2}PAK (TO-263)
MBRS20150CT	150	20	150	0.99	0.1	2	150	D^{2}PAK (TO-263)
MBRS20H100CT	100	20	150	0.85	0.005	1.5	175	D^{2}PAK (TO-263)
MBRS20H150CT	150	20	150	0.88	0.005	1.5	175	D^{2}PAK (TO-263)
MBRS20H200CT	200	20	150	0.88	0.005	1.5	175	D^{2}PAK (TO-263)
SRAS2020	20	20	330	0.57	0.5	1.5	150	D^{2}PAK (TO-263)
SRAS2030	30	20	330	0.57	0.5	1.5	150	D^{2}PAK (TO-263)
SRAS2040	40	20	330	0.57	0.5	1.5	150	D^{2}PAK (TO-263)
SRAS2050	50	20	330	0.7	0.5	1.5	150	D^{2}PAK (TO-263)
SRAS2060	60	20	330	0.7	0.5	1.5	150	D^{2}PAK (TO-263)
SRAS2090	90	20	330	0.92	0.1	1.5	150	D^{2}PAK (TO-263)
SRAS20100	100	20	330	0.92	0.1	1.5	150	D^{2}PAK (TO-263)
SRAS20150	150	20	330	0.92	0.1	1.5	150	D^{2}PAK (TO-263)
SRS2020	20	20	200	0.55	0.5	1.5	150	D^{2}PAK (TO-263)
SRS2030	30	20	200	0.55	0.5	1.5	150	D^{2}PAK (TO-263)
SRS2040	40	20	200	0.55	0.5	1.5	150	D^{2}PAK (TO-263)
SRS2050	50	20	200	0.7	0.5	1.5	150	D^{2}PAK (TO-263)
SRS2060	60	20	200	0.7	0.5	1.5	150	D^{2}PAK (TO-263)
SRS2090	90	20	200	0.92	0.1	1.5	150	D^{2}PAK (TO-263)
SRS20100	100	20	200	0.92	0.1	1.5	150	D^{2}PAK (TO-263)
SRS20150	150	20	200	1.02	0.1	1.5	150	D^{2}PAK (TO-263)
MBRS2535CT	35	25	200	0.65	0.2	1.0	150	D^{2}PAK (TO-263)
MBRS2545CT	45	25	200	0.65	0.2	1.0	150	D^{2}PAK (TO-263)
MBRS2550CT	50	25	200	0.75	0.1	1.0	150	D^{2}PAK (TO-263)
MBRS2560CT	60	25	200	0.75	0.1	1.0	150	D^{2}PAK (TO-263)
MBRS2590CT	90	25	200	0.85	0.1	1.0	150	D^{2}PAK (TO-263)
MBRS25100CT	100	25	200	0.85	0.1	1.0	150	D^{2}PAK (TO-263)
MBRS25150CT	150	25	200	0.95	0.1	1.0	150	D^{2}PAK (TO-263)

SURFACE MOUNT SCHOTTKY BARRIER RECTIFIERS

Part No.	V_{RM} (V)	Io (A)	I_{FSM} (A)	V_F (V) max T_A=25ºC	I_R (mA) max. T_A=25ºC	Typical $R\theta_{JC}$(ºC/W)	T_j (ºC)	Package
MBRS25H45CT	45	25	150	0.7	0.2	1.5	175	D^{2}PAK (TO-263)
MBRS3045CT	45	30	220	0.7	0.2	1.5	150	D^{2}PAK (TO-263)
MBRS30H45CT	45	30	220	0.7	0.2	1.5	175	D^{2}PAK (TO-263)
MBRS4060CT	60	40	300	0.8	0.1	1.5	175	D^{2}PAK (TO-263)

SCHOTTKY BARRIER RECTIFIERS

Part No.	V_{RM} (V)	Io (A)	I_{FSM} (A)	V_F (V) max T_A=25ºC	I_R (mA) max. T_A=25ºC	Typical $R\theta_{JA}$(ºC/W)	T_j (ºC)	Package
SRT12	20	1	25	0.55	0.5	50	150	TS-1
SRT13	30	1	25	0.55	0.5	50	150	TS-1
SRT14	40	1	25	0.55	0.5	50	150	TS-1
SRT15	50	1	25	0.7	0.5	50	150	TS-1
SRT16	60	1	25	0.7	0.5	50	150	TS-1
SRT19	90	1	25	0.8	0.1	50	150	TS-1
SRT110	100	1	25	0.8	0.1	50	150	TS-1
SRT115	150	1	25	0.8	0.1	50	150	TS-1
SR002	20	0.5	30	0.55	0.5	50	150	DO-41
SR003	30	0.5	30	0.55	0.5	50	150	DO-41
SR004	40	0.5	30	0.55	0.5	50	150	DO-41
SR005	50	0.5	30	0.7	0.5	50	150	DO-41
SR006	60	0.5	30	0.7	0.5	50	150	DO-41
SR009	90	0.5	30	0.85	0.1	50	150	DO-41
SR010	100	0.5	30	0.85	0.1	50	150	DO-41
SR015	150	0.5	30	0.95	0.1	50	150	DO-41
1N5817	20	1	30	0.45	1	100	150	DO-41
1N5818	30	1	30	0.55	1	100	150	DO-41
1N5819	40	1	30	0.6	1	100	150	DO-41
SR102	20	1	30	0.55	0.5	90	150	DO-41
SR103	30	1	30	0.55	0.5	90	150	DO-41
SR104	40	1	30	0.55	0.5	90	150	DO-41
SR105	50	1	30	0.7	0.5	90	150	DO-41
SR106	60	1	30	0.7	0.5	90	150	DO-41
SR109	90	1	30	0.8	0.1	90	150	DO-41
SR110	100	1	30	0.8	0.1	90	150	DO-41
SR115	150	1	30	0.95	0.1	90	150	DO-41
SR202	20	2	50	0.55	0.5	75	150	DO-15
SR203	30	2	50	0.55	0.5	75	150	DO-15
SR204	40	2	50	0.55	0.5	75	150	DO-15
SR205	50	2	50	0.7	0.5	75	150	DO-15
SR206	60	2	50	0.7	0.5	75	150	DO-15
SR209	90	2	50	0.85	0.1	75	150	DO-15
SR210	100	2	50	0.85	0.1	75	150	DO-15
SR215	150	2	50	0.85	0.1	75	150	DO-15
1N5820	20	3	80	0.475	0.5	40	150	DO-201AD
1N5821	30	3	80	0.5	0.5	40	150	DO-201AD
1N5822	40	3	80	0.525	0.5	40	150	DO-201AD
SR302	20	3	80	0.55	0.5	50	150	DO-201AD
SR303	30	3	80	0.55	0.5	50	150	DO-201AD
SR304	40	3	80	0.55	0.5	50	150	DO-201AD
SR305	50	3	80	0.7	0.5	50	150	DO-201AD

SCHOTTKY BARRIER RECTIFIERS

Part No.	V_{RM} (V)	Io (A)	I_{FSM} (A)	V_F (V) max T_A=25ºC	I_R (mA) max. T_A=25ºC	Typical $R\theta_{JA}$(ºC/W)	T_j (ºC)	Package
SR306	60	3	80	0.7	0.5	50	150	DO-201AD
SR309	90	3	80	0.85	0.1	50	150	DO-201AD
SR310	100	3	80	0.85	0.1	50	150	DO-201AD
SR315	150	3	80	0.85	0.1	50	150	DO-201AD
SR320	200	3	80	0.95	0.1	50	150	DO-201AD
SR502	20	5	120	0.55	0.5	35	125	DO-201AD
SR503	30	5	120	0.55	0.5	35	150	DO-201AD
SR504	40	5	120	0.55	0.5	35	150	DO-201AD
SR505	50	5	120	0.7	0.5	35	150	DO-201AD
SR506	60	5	120	0.7	0.5	35	150	D O-201AD
SR509	90	5	120	0.85	0.1	35	150	DO-201AD
SR510	100	5	120	0.85	0.1	35	150	DO-201AD
SR515	150	5	120	1.05	0.1	35	150	DO-201AD
SR520	200	5	120	1.05	0.1	35	150	DO-201AD
SR802	20	8	150	0.55	0.5	40	150	DO-201AD
SR803	30	8	150	0.55	0.5	40	150	DO-201AD
SR804	40	8	150	0.55	0.5	40	150	DO-201AD
SR805	50	8	150	0.7	0.5	40	150	DO-201AD
SR806	60	8	150	0.7	0.5	40	150	DO-201AD
SR809	90	8	150	0.92	0.1	40	150	DO-201AD
SR810	100	8	150	0.92	0.1	40	150	DO-201AD
SR815	150	8	150	1.02	0.1	40	150	DO-201AD
SR1202	20	12	280	0.55	0.5	24	150	DO-201AD
SR1203	30	12	280	0.55	0.5	24	150	DO-201AD
SR1204	40	12	280	0.55	0.5	24	150	DO-201AD
SK12H45	45	12	320	0.55	0.15	10 (RθJC)	175	DO-201AD
SK12H60	60	12	320	0.7	0.15	10 (RθJC)	175	DO-201AD
SR1502	20	15	300	0.55	0.5	25	150	DO-201AD
SR1503	30	15	300	0.55	0.5	25	150	DO-201AD
SR1504	40	15	300	0.55	0.5	25	150	DO-201AD
SK15H45	45	15	340	0.56	0.15	10 (RθJC)	175	R-6
MBRI20100CT	100	20	150	0.85	0.1	2 (RθJC)	150	I^2PAK
MBRI30100CT	100	30	200	0.84	0.2	1.5 (RθJC)	150	I^2PAK
MBR735	35	7.5	150	-	0.1	5 (RθJC)	150	TO-220AC
MBR745	45	7.5	150	-	0.1	5 (RθJC)	150	TO-220AC
MBR750	50	7.5	150	0.75	0.1	5 (RθJC)	150	TO-220AC
MBR760	60	7.5	150	0.75	0.1	5 (RθJC)	150	TO-220AC
MBR790	90	7.5	150	0.92	0.1	5 (RθJC)	150	TO-220AC
MBR7100	100	7.5	150	0.92	0.1	5 (RθJC)	150	TO-220AC
MBR7150	150	7.5	150	0.95	0.1	5 (RθJC)	150	TO-220AC
SRA820	20	8	150	0.55	0.5	4 (RθJC)	150	TO-220AC
SRA830	30	8	150	0.55	0.5	4 (RθJC)	150	TO-220AC

SCHOTTKY BARRIER RECTIFIERS

Part No.	V_{RM} (V)	Io (A)	I_{FSM} (A)	V_F (V) max T_A=25ºC	I_R (mA) max. T_A=25ºC	Typical $R\theta_{JC}$(ºC/W)	T_j (ºC)	Package
SRA840	40	8	150	0.55	0.5	4	150	TO-220AC
SRA850	50	8	150	0.7	0.5	4	150	TO-220AC
SRA860	60	8	150	0.7	0.5	4	150	TO-220AC
SRA890	90	8	150	0.92	0.1	4	150	TO-220AC
SRA8100	100	8	150	0.92	0.1	4	150	TO-220AC
SRA8150	150	8	150	1.05	0.1	4	150	TO-220AC
MBR1035	35	10	150	0.7	0.1	3	150	TO-220AC
MBR1045	45	10	150	0.7	0.1	3	150	TO-220AC
MBR1050	50	10	150	0.8	0.1	3	150	TO-220AC
MBR1060	60	10	150	0.8	0.1	3	150	TO-220AC
MBR1090	90	10	150	0.85	0.1	3	150	TO-220AC
MBR10100	100	10	150	0.85	0.1	3	150	TO-220AC
MBR10150	150	10	150	1.05	0.1	3	150	TO-220AC
MBR10200	200	10	150	1.05	0.1	3	150	TO-220AC
SRA1020	20	10	170	0.55	0.5	2	150	TO-220AC
SRA1030	30	10	170	0.55	0.5	2	150	TO-220AC
SRA1040	40	10	170	0.55	0.5	2	150	TO-220AC
SRA1050	50	10	170	0.7	0.5	2	150	TO-220AC
SRA1060	60	10	170	0.7	0.5	2	150	TO-220AC
SRA1090	90	10	170	0.75	0.1	2	150	TO-220AC
SRA10100	100	10	170	0.75	0.1	2	150	TO-220AC
SRA10150	150	10	170	0.75	0.1	2	150	TO-220AC
MBR1635	35	16	150	0.63	0.5	3	150	TO-220AC
MBR1645	45	16	150	0.63	0.5	3	150	TO-220AC
MBR1650	50	16	150	0.75	0.5	3	150	TO-220AC
MBR1660	60	16	150	0.75	0.5	3	150	TO-220AC
MBR1690	90	16	150	0.85	0.3	3	150	TO-220AC
MBR16100	100	16	150	0.85	0.3	3	150	TO-220AC
MBR16150	150	16	150	0.95	0.1	3	150	TO-220AC
SRA1620	20	16	200	0.55	0.5	5	150	TO-220AC
SRA1630	30	16	200	0.55	0.5	5	150	TO-220AC
SRA1640	40	16	200	0.55	0.5	5	150	TO-220AC
SRA1650	50	16	200	0.7	0.5	5	150	TO-220AC
SRA1660	60	16	200	0.7	0.5	5	150	TO-220AC
SRA1690	90	16	200	0.92	0.1	5	150	TO-220AC
SRA16100	100	16	200	0.92	0.1	5	150	TO-220AC
SRA2020	20	20	300	0.55	0.5	1.5	150	TO-220AC
SRA2030	30	20	300	0.55	0.5	1.5	150	TO-220AC
SRA2040	40	20	300	0.55	0.5	1.5	150	TO-220AC
SRA2050	50	20	300	0.7	0.5	1.5	150	TO-220AC
SRA2060	60	20	300	0.7	0.5	1.5	150	TO-220AC
SRA2090	90	20	300	0.92	0.1	1.5	150	TO-220AC

SCHOTTKY BARRIER RECTIFIERS

Part No.	V_{RM} (V)	Io (A)	I_{FSM} (A)	V_F (V) max T_A=25ºC	I_R (mA) max. T_A=25ºC	Typical $R\theta_{JC}$(ºC/W)	T_j (ºC)	Package
SRA20100	100	20	300	0.92	0.1	1.5	150	TO-220AC
MBR1035CT	35	10	120	0.7	0.1	1.5	150	TO-220AB
MBR1045CT	45	10	120	0.7	0.1	1.5	150	TO-220AB
MBR1050CT	50	10	120	0.8	0.1	1.5	150	TO-220AB
MBR1060CT	60	10	120	0.8	0.1	1.5	150	TO-220AB
MBR1090CT	90	10	120	0.85	0.1	1.5	150	TO-220AB
MBR10100CT	100	10	120	0.85	0.1	1.5	150	TO-220AB
MBR10150CT	150	10	120	0.88	0.1	1.5	150	TO-220AB
MBR10200CT	200	10	120	0.88	0.1	1.5	150	TO-220AB
MBR10H100CT	100	10	120	0.85	0.005	1.5	175	TO-220AB
MBR10H150CT	150	10	120	0.88	0.005	1.5	175	TO-220AB
MBR10H200CT	200	10	120	0.88	0.005	1.5	175	TO-220AB
MBR10L100CT	100	10	120	0.76	0.02	2.8	150	TO-220AB
SR1020	20	10	120	0.55	0.5	3	150	TO-220AB
SR1030	30	10	120	0.55	0.5	3	150	TO-220AB
SR1040	40	10	120	0.55	0.5	3	150	TO-220AB
SR1050	50	10	120	0.7	0.5	3	150	TO-220AB
SR1060	60	10	120	0.7	0.5	3	150	TO-220AB
SR1090	90	10	120	0.85	0.1	3	150	TO-220AB
SR10100	100	10	120	0.85	0.1	3	150	TO-220AB
SR10150	150	10	120	0.95	0.1	3	150	TO-220AB
MBR1535CT	35	15	150	-	0.1	1.5	150	TO-220AB
MBR1545CT	45	15	150	-	0.1	1.5	150	TO-220AB
MBR1550CT	50	15	150	0.75	0.1	1.5	150	TO-220AB
MBR1560CT	60	15	150	0.75	0.1	1.5	150	TO-220AB
MBR1590CT	90	15	150	0.92	0.1	1.5	150	TO-220AB
MBR15100CT	100	15	150	0.92	0.1	1.5	150	TO-220AB
MBR15150CT	150	15	150	1.05	0.1	1.5	150	TO-220AB
SR1620	20	16	170	0.55	0.5	2.5	150	TO-220AB
SR1630	30	16	170	0.55	0.5	2.5	150	TO-220AB
SR1640	40	16	170	0.55	0.5	2.5	150	TO-220AB
SR1650	50	16	170	0.7	0.5	2.5	150	TO-220AB
SR1660	60	16	170	0.7	0.5	2.5	150	TO-220AB
SR1690	90	16	170	0.9	0.1	2.5	150	TO-220AB
SR16100	100	16	170	0.9	0.1	2.5	150	TO-220AB
SR16150	150	16	170	1.05	0.1	2.5	150	TO-220AB
SR2020	20	20	200	0.55	0.5	1	150	TO-220AB
SR2030	30	20	200	0.55	0.5	1	150	TO-220AB
SR2040	40	20	200	0.55	0.5	1	150	TO-220AB
SR2050	50	20	200	0.7	0.5	1	150	TO-220AB
SR2060	60	20	200	0.7	0.5	1	150	TO-220AB
SR2090	90	20	200	0.9	0.1	1	150	TO-220AB

SCHOTTKY BARRIER RECTIFIERS

Part No.	V_{RM} (V)	Io (A)	I_{FSM} (A)	V_F (V) max T_A=25ºC	I_R (mA) max. T_A=25ºC	Typical $R\theta_{JC}$(ºC/W)	T_j (ºC)	Package
SR20100	100	20	200	0.9	0.1	1	150	TO-220AB
SR20150	150	20	200	0.9	0.1	1	150	TO-220AB
MBR2035CT	35	20	150	-	0.1	1	150	TO-220AB
MBR2045CT	45	20	150	-	0.1	1	150	TO-220AB
MBR2050CT	50	20	150	0.8	0.1	1	150	TO-220AB
MBR2060CT	60	20	150	0.8	0.1	1	150	TO-220AB
MBR2090CT	90	20	150	0.85	0.1	2	150	TO-220AB
MBR20100CT	100	20	150	0.85	0.1	2	150	TO-220AB
MBR20150CT	150	20	150	0.99	0.1	2	150	TO-220AB
MBR20200CT	200	20	150	0.99	0.1	2	150	TO-220AB
MBR20H100CT	100	20	150	0.85	0.005	1.5	175	TO-220AB
MBR20H150CT	150	20	150	0.88	0.005	1.5	175	TO-220AB
MBR20H200CT	200	20	150	0.88	0.005	1.5	175	TO-220AB
MBR20L100CT	100	20	150	0.75	0.02	2.8	150	TO-220AB
MBR20L120CT	120	20	150	0.83	0.02	3	150	TO-220AB
MBR2535CT	35	25	200	-	0.2	1	150	TO-220AB
MBR2545CT	45	25	200	-	0.2	1	150	TO-220AB
MBR2550CT	50	25	200	0.75	0.2	1	150	TO-220AB
MBR2560CT	60	25	200	0.75	0.2	1	150	TO-220AB
MBR2590CT	90	25	200	0.85	0.1	1	150	TO-220AB
MBR25100CT	100	25	200	0.85	0.1	1	150	TO-220AB
MBR25150CT	150	25	200	0.95	0.1	1	150	TO-220AB
MBR3035CT	35	30	200	0.7	0.2	1	150	TO-220AB
MBR3045CT	45	30	200	0.7	0.2	1	150	TO-220AB
MBR3050CT	50	30	200	0.77	0.2	1	150	TO-220AB
MBR3060CT	60	30	200	0.77	0.2	1	150	TO-220AB
MBR3090CT	90	30	200	0.84	0.2	1.5	150	TO-220AB
MBR30100CT	100	30	200	0.84	0.2	1.5	150	TO-220AB
MBR30150CT	150	30	200	0.95	0.1	1.5	150	TO-220AB
MBR30H100CT	100	30	150	0.85	0.01	2	175	TO-220AB
MBR30L45CT	45	30	220	0.55	0.4	1	150	TO-220AB
MBR30L60CT	60	30	220	0.60	0.48	1	150	TO-220AB
MBR30L100CT	100	30	220	0.77	0.5	1	150	TO-220AB
MBR30L120CT	120	30	200	0.88	0.02	3	150	TO-220AB
MBRF5100	100	5	120	0.9	0.1	3	150	ITO-220AC
MBRF5150	150	5	120	1.02	0.1	3	150	ITO-220AC
MBRF5200	200	5	120	1.02	0.1	3	150	ITO-220AC
SRAF520	20	5	120	0.55	0.5	5	150	ITO-220AC
SRAF530	30	5	120	0.55	0.5	5	150	ITO-220AC
SRAF540	40	5	120	0.55	0.5	5	150	ITO-220AC
SRAF550	50	5	120	0.7	0.5	5	150	ITO-220AC
SRAF560	60	5	120	0.7	0.5	5	150	ITO-220AC

TAIWAN SEMICONDUCTOR
The Smartest Choice

SCHOTTKY BARRIER RECTIFIERS

Part No.	V_{RM} (V)	Io (A)	I_{FSM} (A)	V_F (V) max T_A=25ºC	I_R (mA) max. T_A=25ºC	Typical $R\theta_{JC}$(ºC/W)	T_j (ºC)	Package
SRAF590	90	5	120	0.85	0.2	5	150	ITO-220AC
SRAF5100	100	5	120	0.85	0.2	10	150	ITO-220AC
SRAF5150	150	5	120	0.85	0.2	10	150	ITO-220AC
MBRF735	35	7.5	150	-	0.1	7	150	ITO-220AC
MBRF745	45	7.5	150	-	0.1	7	150	ITO-220AC
MBRF750	50	7.5	150	0.75	0.1	7	150	ITO-220AC
MBRF760	60	7.5	150	0.75	0.1	7	150	ITO-220AC
MBRF790	90	7.5	150	0.92	0.1	7	150	ITO-220AC
MBRF7100	100	7.5	150	0.92	0.1	7	150	ITO-220AC
MBRF7150	150	7.5	150	1.02	0.1	7	150	ITO-220AC
SRAF820	20	8	150	0.55	0.5	5	150	ITO-220AC
SRAF830	30	8	150	0.55	0.5	5	150	ITO-220AC
SRAF840	40	8	150	0.55	0.5	5	150	ITO-220AC
SRAF850	50	8	150	0.7	0.5	5	150	ITO-220AC
SRAF860	60	8	150	0.7	0.5	5	150	ITO-220AC
SRAF890	90	8	150	0.85	0.1	5	150	ITO-220AC
SRAF8100	100	8	150	0.85	0.1	5	150	ITO-220AC
SRAF8150	150	8	150	0.95	0.1	5	150	ITO-220AC
MBRF1035	35	10	150	0.7	0.1	3	150	ITO-220AC
MBRF1045	45	10	150	0.7	0.1	3	150	ITO-220AC
MBRF1050	50	10	150	0.8	0.1	3	150	ITO-220AC
MBRF1060	60	10	150	0.8	0.1	3	150	ITO-220AC
MBRF1090	90	10	150	0.85	0.1	3	150	ITO-220AC
MBRF10100	100	10	150	0.85	0.1	3	150	ITO-220AC
MBRF10150	150	10	150	1.05	0.1	3	150	ITO-220AC
MBRF10200	200	10	150	1.05	0.1	4	150	ITO-220AC
SRAF1020	20	10	200	0.55	0.5	4	150	ITO-220AC
SRAF1030	30	10	200	0.55	0.5	4	150	ITO-220AC
SRAF1040	40	10	200	0.55	0.5	4	150	ITO-220AC
SRAF1050	50	10	200	0.7	0.5	4	150	ITO-220AC
SRAF1060	60	10	200	0.7	0.5	4	150	ITO-220AC
SRAF1090	90	10	200	0.85	0.1	4	150	ITO-220AC
SRAF10100	100	10	200	0.85	0.1	4	150	ITO-220AC
SRAF10150	150	10	200	0.95	0.1	4	150	ITO-220AC
SRAF1620	20	16	275	0.55	0.5	4	150	ITO-220AC
SRAF1630	30	16	275	0.55	0.5	4	150	ITO-220AC
SRAF1640	40	16	275	0.55	0.5	4	150	ITO-220AC
SRAF1650	50	16	275	0.7	0.5	4	150	ITO-220AC
SRAF1660	60	16	275	0.7	0.5	4	150	ITO-220AC
SRAF1690	90	16	275	0.92	0.1	4	150	ITO-220AC
SRAF16100	100	16	275	0.92	0.1	4	150	ITO-220AC
MBRF1635	35	16	150	0.63	0.5	3	150	ITO-220AC

SCHOTTKY BARRIER RECTIFIERS

Part No.	V_{RM} (V)	Io (A)	I_{FSM} (A)	V_F (V) max T_A=25ºC	I_R (mA) max. T_A=25ºC	Typical $R\theta_{JC}$(ºC/W)	T_j (ºC)	Package
MBRF1645	45	16	150	0.63	0.5	3	150	ITO-220AC
MBRF1650	50	16	150	0.75	0.5	3	150	ITO-220AC
MBRF1660	60	16	150	0.75	0.5	3	150	ITO-220AC
MBRF1690	90	16	150	0.85	0.3	3	150	ITO-220AC
MBRF16100	100	16	150	0.85	0.3	3	150	ITO-220AC
MBRF16150	150	16	150	0.95	0.1	3	150	ITO-220AC
MBRF16H45	45	16	275	0.63	0.5	3.2	150	ITO-220AC
MBRF2035	35	20	150	0.75	0.2	3	150	ITO-220AC
MBRF2045	45	20	150	0.75	0.2	3	150	ITO-220AC
MBRF2050	50	20	150	0.82	0.2	3	150	ITO-220AC
MBRF2060	60	20	150	0.82	0.2	3	150	ITO-220AC
MBRF2090	90	20	150	0.95	0.1	3	150	ITO-220AC
MBRF20100	100	20	150	0.95	0.1	3	150	ITO-220AC
MBRF835CT	35	8	150	0.55	0.1	6	150	ITO-220AB
MBRF845CT	45	8	150	0.55	0.1	6	150	ITO-220AB
MBRF850CT	50	8	150	0.7	0.1	6	150	ITO-220AB
MBRF860CT	60	8	150	0.7	0.1	6	150	ITO-220AB
MBRF890CT	90	8	150	0.8	0.1	6	150	ITO-220AB
MBRF8100CT	100	8	150	0.8	0.1	6	150	ITO-220AB
MBRF8150CT	150	8	150	0.95	0.1	6	150	ITO-220AB
MBRF1035CT	35	10	120	0.7	0.1	3.5	150	ITO-220AB
MBRF1045CT	45	10	120	0.7	0.1	3.5	150	ITO-220AB
MBRF1050CT	50	10	120	0.8	0.1	3.5	150	ITO-220AB
MBRF1060CT	60	10	120	0.8	0.1	3.5	150	ITO-220AB
MBRF1090CT	90	10	120	0.85	0.1	3.5	150	ITO-220AB
MBRF10100CT	100	10	120	0.85	0.1	3.5	150	ITO-220AB
MBRF10150CT	150	10	120	0.88	0.1	3.5	150	ITO-220AB
MBRF10200CT	200	10	120	0.88	0.1	3.5	150	ITO-220AB
MBRF10H100CT	100	10	120	0.85	0.005	3.5	175	ITO-220AB
MBRF10H150CT	150	10	120	0.88	0.005	3.5	175	ITO-220AB
MBRF10H200CT	200	10	120	0.88	0.005	3.5	175	ITO-220AB
MBRF10L100CT	100	10	120	0.76	0.02	5.5	150	ITO-220AB
SRF1020	20	10	120	0.55	0.5	3.5	150	ITO-220AB
SRF1030	30	10	120	0.55	0.5	3.5	150	ITO-220AB
SRF1040	40	10	120	0.55	0.5	3.5	150	ITO-220AB
SRF1050	50	10	120	0.7	0.5	3.5	150	ITO-220AB
SRF1060	60	10	120	0.7	0.1	3.5	150	ITO-220AB
SRF1090	90	10	120	0.9	0.1	4	150	ITO-220AB
SRF10100	100	10	120	0.9	0.1	4	150	ITO-220AB
SRF10150	150	10	120	0.9	0.1	4	150	ITO-220AB
MBRF1535CT	35	15	150	-	0.5	3.5	150	ITO-220AB
MBRF1545CT	45	15	150	-	0.5	3.5	150	ITO-220AB

TAIWAN SEMICONDUCTOR
The Smartest Choice

SCHOTTKY BARRIER RECTIFIERS

Part No.	V_{RM} (V)	Io (A)	I_{FSM} (A)	V_F (V) max T_A=25ºC	I_R (mA) max. T_A=25ºC	Typical $R\theta_{JC}$(ºC/W)	T_j (ºC)	Package
MBRF1550CT	50	15	150	0.75	0.3	3.5	150	ITO-220AB
MBRF1560CT	60	15	150	0.75	0.3	3.5	150	ITO-220AB
MBRF1590CT	90	15	150	0.92	0.1	3.5	150	ITO-220AB
MBRF15100CT	100	15	150	0.92	0.1	3.5	150	ITO-220AB
MBRF15150CT	150	15	150	0.95	0.1	3.5	150	ITO-220AB
SRF1620	20	16	200	0.55	0.5	2.5	150	ITO-220AB
SRF1630	30	16	200	0.55	0.5	2.5	150	ITO-220AB
SRF1640	40	16	200	0.55	0.5	2.5	150	ITO-220AB
SRF1650	50	16	200	0.7	0.5	2.5	150	ITO-220AB
SRF1660	60	16	200	0.7	0.5	2.5	150	ITO-220AB
SRF1690	90	16	200	0.9	0.1	4	150	ITO-220AB
SRF16100	100	16	200	0.9	0.1	4	150	ITO-220AB
SRF16150	150	16	200	0.9	0.1	4	150	ITO-220AB
SRF2020	20	20	200	0.55	0.5	1.5	150	ITO-220AB
SRF2030	30	20	200	0.55	0.5	1.5	150	ITO-220AB
SRF2040	40	20	200	0.55	0.5	1.5	150	ITO-220AB
SRF2050	50	20	200	0.7	0.5	1.5	150	ITO-220AB
SRF2060	60	20	200	0.7	0.5	1.5	150	ITO-220AB
SRF2090	90	20	200	0.92	0.1	1.5	150	ITO-220AB
SRF20100	100	20	200	0.92	0.1	1.5	150	ITO-220AB
SRF20150	150	20	200	0.92	0.1	1.5	150	ITO-220AB
MBRF2035CT	35	20	150	0.8	0.1	1.5	150	ITO-220AB
MBRF2045CT	45	20	150	0.8	0.1	1.5	150	ITO-220AB
MBRF2050CT	50	20	150	0.8	0.1	1.5	150	ITO-220AB
MBRF2060CT	60	20	150	0.8	0.1	1.5	150	ITO-220AB
MBRF2080CT	80	20	150	0.8	0.1	3.5	150	ITO-220AB
MBRF2090CT	90	20	150	0.85	0.1	3.5	150	ITO-220AB
MBRF20100CT	100	20	150	0.85	0.1	3.5	150	ITO-220AB
MBRF20150CT	150	20	150	0.95	0.1	3.5	150	ITO-220AB
MBRF20200CT	200	20	150	0.95	0.1	3.5	150	ITO-220AB
MBRF20H100CT	100	20	150	0.85	0.005	3.5	175	ITO-220AB
MBRF20H150CT	150	20	150	0.88	0.005	3.5	175	ITO-220AB
MBRF20H200CT	200	20	150	0.88	0.005	3.5	175	ITO-220AB
MBRF20L100CT	100	20	150	0.75	0.02	5.5	150	ITO-220AB
MBRF20L120CT	120	20	150	0.83	0.02	5	150	ITO-220AB
MBRF2535CT	35	25	200	-	0.2	1	150	ITO-220AB
MBRF2545CT	45	25	200	-	0.2	1	150	ITO-220AB
MBRF2550CT	50	25	200	0.75	0.2	1	150	ITO-220AB
MBRF2560CT	60	25	200	0.75	0.2	1	150	ITO-220AB
MBRF2590CT	90	25	200	0.85	0.1	1	150	ITO-220AB
MBRF25100CT	100	25	200	0.85	0.1	1	150	ITO-220AB
MBRF25150CT	150	25	200	0.95	0.1	1	150	ITO-220AB

SCHOTTKY BARRIER RECTIFIERS

Part No.	V_{RM} (V)	Io (A)	I_{FSM} (A)	V_F (V) max T_A=25ºC	I_R (mA) max. T_A=25ºC	Typical $R\theta_{JC}$(ºC/W)	T_j (ºC)	Package
MBRF3035CT	35	30	200	0.7	0.2	1	150	ITO-220AB
MBRF3045CT	45	30	200	0.7	0.2	1	150	ITO-220AB
MBRF3050CT	50	30	200	0.75	0.2	1	150	ITO-220AB
MBRF3060CT	60	30	200	0.75	0.2	1	150	ITO-220AB
MBRF3080CT	80	30	200	0.84	0.2	5	150	ITO-220AB
MBRF3090CT	90	30	200	0.84	0.2	1.5	150	ITO-220AB
MBRF30100CT	100	30	200	0.84	0.2	1.5	150	ITO-220AB
MBRF30150CT	150	30	200	0.95	0.2	1.5	150	ITO-220AB
★MBRF30200CT	200	30	200	1.05	0.2	4	150	ITO-220AB
MBRF30L45CT	45	30	220	0.55	0.4	1	150	ITO-220AB
MBRF30L120CT	120	30	200	0.88	0.02	5	150	ITO-220AB
SR1620PT	20	16	200	0.55	0.5	3	150	TO-3P
SR1630PT	30	16	200	0.55	0.5	3	150	TO-3P
SR1640PT	40	16	200	0.55	0.5	3	150	TO-3P
SR1650PT	50	16	200	0.7	0.5	3	150	TO-3P
SR1660PT	60	16	200	0.7	0.5	3	150	TO-3P
SR1690PT	90	16	200	0.9	0.1	3	150	TO-3P
SR16100PT	100	16	200	0.9	0.1	3	150	TO-3P
SR16150PT	150	16	200	1.0	0.1	3	150	TO-3P
MBR2035PT	35	20	150	-	0.1	1	150	TO-3P
MBR2045PT	45	20	150	-	0.1	1	150	TO-3P
MBR2050PT	50	20	150	0.8	0.1	1	150	TO-3P
MBR2060PT	60	20	150	0.8	0.1	1	150	TO-3P
MBR2090PT	90	20	150	0.85	0.1	1	150	TO-3P
MBR20100PT	100	20	150	0.85	0.1	1	150	TO-3P
MBR20150PT	150	20	150	0.95	0.1	1	150	TO-3P
★MBR20200PT	200	20	150	0.95	0.1	1.5	150	TO-3P
SR2020PT	20	20	200	0.55	0.5	1.5	150	TO-3P
SR2030PT	30	20	200	0.55	0.5	1.5	150	TO-3P
SR2040PT	40	20	200	0.55	0.5	1.5	150	TO-3P
SR2050PT	50	20	200	0.7	0.5	1.5	150	TO-3P
SR2060PT	60	20	200	0.7	0.5	1.5	150	TO-3P
SR2090PT	90	20	200	0.92	0.1	1.5	150	TO-3P
SR20100PT	100	20	200	0.92	0.1	1.5	150	TO-3P
SR20150PT	150	20	200	1.02	0.1	1.5	150	TO-3P
MBR3035PT	35	30	200	-	1	1.4	150	TO-3P
MBR3045PT	45	30	250	-	1	1.4	150	TO-3P
MBR3050PT	50	30	200	0.75	1	1.4	150	TO-3P
MBR3060PT	60	30	200	0.75	1	1.4	150	TO-3P
MBR3090PT	90	30	200	0.85	0.5	1.4	150	TO-3P
MBR30100PT	100	30	200	0.85	0.5	1.4	150	TO-3P
MBR30150PT	150	30	200	0.95	0.5	1.4	150	TO-3P

SCHOTTKY BARRIER RECTIFIERS

Part No.	V_{RM} (V)	Io (A)	I_{FSM} (A)	V_F (V) max T_A=25ºC	I_R (mA) max. T_A=25ºC	Typical $R\theta_{JC}$(ºC/W)	T_j (ºC)	Package
MBR30200PT	200	30	200	1.05	0.1	1.4	150	TO-3P
SR3020PT	20	30	300	0.55	1	1.5	150	TO-3P
SR3030PT	30	30	300	0.55	1	1.5	150	TO-3P
SR3040PT	40	30	300	0.55	1	1.5	150	TO-3P
SR3050PT	50	30	300	0.7	1	1.5	150	TO-3P
SR3060PT	60	30	300	0.7	1	1.5	150	TO-3P
SR3090PT	90	30	300	0.9	0.5	1.5	150	TO-3P
SR30100PT	100	30	300	0.9	0.5	1.5	150	TO-3P
SR30150PT	150	30	300	1.0	0.5	1.5	150	TO-3P
SR4020PT	20	40	400	0.55	1	1.2	150	TO-3P
SR4030PT	30	40	400	0.55	1	1.2	150	TO-3P
SR4040PT	40	40	400	0.55	1	1.2	150	TO-3P
SR4050PT	50	40	400	0.7	1	1.2	150	TO-3P
SR4060PT	60	40	400	0.7	1	1.2	150	TO-3P
SR4090PT	90	40	400	0.9	0.5	1.2	150	TO-3P
SR40100PT	100	40	400	0.9	0.5	1.2	150	TO-3P
MBR4035PT	35	40	330	0.75	1	1.2	150	TO-3P
MBR4045PT	45	40	330	0.75	1	1.2	150	TO-3P
MBR4050PT	50	40	330	0.77	1	1.2	150	TO-3P
MBR4060PT	60	40	330	0.77	1	1.2	150	TO-3P
MBR4090PT	90	40	330	0.84	0.5	1.2	150	TO-3P
MBR40100PT	100	40	330	0.84	0.5	1.2	150	TO-3P
MBR40150PT	150	40	330	0.90	0.1	1.2	150	TO-3P
MBR40200PT	200	40	330	0.90	0.1	1.2	150	TO-3P
MBR6035PT	35	60	420	0.7	1	1.2	150	TO-3P
MBR6045PT	45	60	420	0.7	1	1.2	150	TO-3P
MBR6050PT	50	60	420	0.75	1	1.2	150	TO-3P
MBR6060PT	60	60	420	0.75	1	1.2	150	TO-3P
MBR6090PT	90	60	420	0.84	1	1.2	150	TO-3P
MBR60100PT	100	60	420	0.84	1	1.2	150	TO-3P
★MBR60200PT	200	60	420	0.92	1	1.2	150	TO-3P

★ 2012/Q3 available

SURFACE MOUNT GLASS PASSIVATED SUPER FAST RECTIFIERS

Part No.	V_{RM}	Io	I_{FSM}	V_F (V) max	I_R (mA) max.	trr	Typical	T_j	Package
	(V)	(A)	(A)	T_A=25ºC	T_A=25ºC	(ns)	$R\theta_{JA}$(ºC/W)	(ºC)	
ES1AL	50	1	30	0.95	0.005	35	85	150	SUB SMA
ES1BL	100	1	30	0.95	0.005	35	85	150	SUB SMA
ES1CL	150	1	30	0.95	0.005	35	85	150	SUB SMA
ES1DL	200	1	30	0.95	0.005	35	85	150	SUB SMA
ES1FL	300	1	30	1.3	0.005	35	85	150	SUB SMA
ES1GL	400	1	30	1.3	0.005	35	85	150	SUB SMA
ES1HL	500	1	30	1.7	0.005	35	85	150	SUB SMA
ES1JL	600	1	30	1.7	0.005	35	85	150	SUB SMA
ES1A	50	1	30	0.95	0.005	35	85	150	SMA(DO-214AC)
ES1B	100	1	30	0.95	0.005	35	85	150	SMA(DO-214AC)
ES1C	150	1	30	0.95	0.005	35	85	150	SMA(DO-214AC)
ES1D	200	1	30	0.95	0.005	35	85	150	SMA(DO-214AC)
ES1F	300	1	30	1.3	0.005	35	85	150	SMA(DO-214AC)
ES1G	400	1	30	1.3	0.005	35	85	150	SMA(DO-214AC)
ES1H	500	1	30	1.7	0.005	35	85	150	SMA(DO-214AC)
ES1J	600	1	30	1.7	0.005	35	85	150	SMA(DO-214AC)
ESH1B	100	1	30	0.95	0.001	15	85	175	SMA(DO-214AC)
ESH1C	150	1	30	0.95	0.001	15	85	175	SMA(DO-214AC)
ESH1D	200	1	30	0.95	0.001	15	85	175	SMA(DO-214AC)
ESH2BA	100	1	50	0.9	0.001	25	75	175	SMA(DO-214AC)
ESH2CA	150	1	50	0.9	0.001	25	75	175	SMA(DO-214AC)
ESH2DA	200	1	50	0.9	0.001	25	75	175	SMA(DO-214AC)
MUR105S	50	1	40	0.875	0.002	25	17 (RθJL)	175	SMB(DO-214AA)
MUR110S	100	1	40	0.875	0.002	25	17 (RθJL)	175	SMB(DO-215AA)
MUR115S	150	1	40	0.875	0.002	25	17 (RθJL)	175	SMB(DO-216AA)
MUR120S	200	1	40	0.875	0.002	25	17 (RθJL)	175	SMB(DO-217AA)
MUR140S	400	1	35	1.25	0.005	50	17 (RθJL)	175	SMB(DO-218AA)
MUR160S	600	1	35	1.25	0.005	50	17 (RθJL)	175	SMB(DO-219AA)
ES2AA	50	2	50	0.95	0.010	35	75	150	SMA(DO-214AC)
ES2BA	100	2	50	0.95	0.010	35	75	150	SMA(DO-214AC)
ES2CA	150	2	50	0.95	0.010	35	75	150	SMA(DO-214AC)
ES2DA	200	2	50	0.95	0.010	35	75	150	SMA(DO-214AC)
ES2FA	300	2	50	1.3	0.010	35	75	150	SMA(DO-214AC)
ES2GA	400	2	50	1.3	0.010	35	75	150	SMA(DO-214AC)
ES2HA	500	2	50	1.7	0.010	35	75	150	SMA(DO-214AC)
ES2JA	600	2	50	1.7	0.010	35	75	150	SMA(DO-214AC)
ES2A	50	2	50	0.95	0.010	35	75	150	SMB(DO-214AA)
ES2B	100	2	50	0.95	0.010	35	75	150	SMB(DO-214AA)
ES2C	150	2	50	0.95	0.010	35	75	150	SMB(DO-214AA)
ES2D	200	2	50	0.95	0.010	35	75	150	SMB(DO-214AA)
ES2F	300	2	50	1.3	0.010	35	75	150	SMB(DO-214AA)
ES2G	400	2	50	1.3	0.010	35	75	150	SMB(DO-214AA)

SURFACE MOUNT GLASS PASSIVATED SUPER FAST RECTIFIERS

Part No.	V_{RM}	Io	I_{FSM}	V_F (V) max	I_R (mA) max.	trr	Typical	T_j	Package
	(V)	(A)	(A)	T_A=25ºC	T_A=25ºC	(ns)	$R\theta_{JA}$(ºC/W)	(ºC)	
ES2H	500	2	50	1.7	0.010	35	75	150	SMB(DO-214AA)
ES2J	600	2	50	1.7	0.010	35	75	150	SMB(DO-214AA)
ESH2B	100	2	60	0.93	0.002	25	75	175	SMB(DO-214AA)
ESH2C	150	2	60	0.93	0.002	25	75	175	SMB(DO-214AA)
ESH2D	200	2	60	0.93	0.002	25	75	175	SMB(DO-214AA)
ES3A	50	3	100	0.95	0.010	35	47	150	SMC(DO-214AB)
ES3B	100	3	100	0.95	0.010	35	47	150	SMC(DO-214AB)
ES3C	150	3	100	0.95	0.010	35	47	150	SMC(DO-214AB)
ES3D	200	3	100	0.95	0.010	35	47	150	SMC(DO-214AB)
ES3F	300	3	100	1.3	0.010	35	47	150	SMC(DO-214AB)
ES3G	400	3	100	1.3	0.010	35	47	150	SMC(DO-214AB)
ES3H	500	3	100	1.7	0.010	35	47	150	SMC(DO-214AB)
ES3J	600	3	100	1.7	0.010	35	47	150	SMC(DO-214AB)
ESH3B	100	3	125	0.9	0.005	25	47	175	SMC(DO-214AB)
ESH3C	150	3	125	0.9	0.005	25	47	175	SMC(DO-214AB)
ESH3D	200	3	125	0.9	0.005	25	47	175	SMC(DO-214AB)
MUR305S	50	3	75	0.875	0.005	25	11 (RθJL)	175	SMC(DO-214AB)
MUR310S	100	3	75	0.875	0.005	25	11 (RθJL)	175	SMC(DO-214AB)
MUR315S	150	3	75	0.875	0.005	25	11 (RθJL)	175	SMC(DO-214AB)
MUR320S	200	3	75	0.875	0.005	25	11 (RθJL)	175	SMC(DO-214AB)
MUR340S	400	3	75	1.25	0.010	50	11 (RθJL)	175	SMC(DO-214AB)
MUR360S	600	3	75	1.25	0.010	50	11 (RθJL)	175	SMC(DO-214AB)
SFAS801G	50	8	125	0.95	0.010	35	2.2 (RθJC)	150	D^{2}PAK
SFAS802G	100	8	125	0.95	0.010	35	2.2 (RθJC)	150	D^{2}PAK
SFAS803G	150	8	125	0.95	0.010	35	2.2 (RθJC)	150	D^{2}PAK
SFAS804G	200	8	125	0.95	0.010	35	2.2 (RθJC)	150	D^{2}PAK
SFAS805G	300	8	125	1.3	0.010	35	2.2 (RθJC)	150	D^{2}PAK
SFAS806G	400	8	125	1.3	0.010	35	2.2 (RθJC)	150	D^{2}PAK
SFAS807G	500	8	125	1.7	0.010	35	2.2 (RθJC)	150	D^{2}PAK
SFAS808G	600	8	125	1.7	0.010	35	2.2 (RθJC)	150	D^{2}PAK
SFAS1008G	600	10	125	1.7	0.010	35	2.2 (RθJC)	150	D^{2}PAK
SFS1001G	50	10	125	0.975	0.001	35	2 (RθJC)	150	D^{2}PAK
SFS1002G	100	10	125	0.975	0.001	35	2 (RθJC)	150	D^{2}PAK
SFS1003G	150	10	125	0.975	0.001	35	2 (RθJC)	150	D^{2}PAK
SFS1004G	200	10	125	0.975	0.001	35	2 (RθJC)	150	D^{2}PAK
SFS1005G	300	10	125	1.3	0.001	35	2 (RθJC)	150	D^{2}PAK
SFS1006G	400	10	125	1.3	0.001	35	2 (RθJC)	150	D^{2}PAK
SFS1007G	500	10	125	1.7	0.001	35	2 (RθJC)	150	D^{2}PAK
SFS1008G	600	10	125	1.7	0.001	35	2 (RθJC)	150	D^{2}PAK
SFS1601G	50	16	125	0.975	0.010	35	2.5 (RθJC)	150	D^{2}PAK
SFS1602G	100	16	125	0.975	0.010	35	2.5 (RθJC)	150	D^{2}PAK
SFS1603G	150	16	125	0.975	0.010	35	2.5 (RθJC)	150	D^{2}PAK

SURFACE MOUNT GLASS PASSIVATED SUPER FAST RECTIFIERS

Part No.	V_{RM}	Io	I_{FSM}	V_F (V) max	I_R (mA) max.	trr	Typical	T_j	Package
	(V)	(A)	(A)	T_A=25ºC	T_A=25ºC	(ns)	$R\theta_{JA}$(ºC/W)	(ºC)	
SFS1604G	200	16	125	0.975	0.010	35	2.5 ($R\theta JC$)	150	D^2PAK
SFS1605G	300	16	125	1.3	0.010	35	2.5 ($R\theta JC$)	150	D^2PAK
SFS1606G	400	16	125	1.3	0.010	35	2.5 ($R\theta JC$)	150	D^2PAK
SFS1607G	500	16	125	1.7	0.010	35	2.5 ($R\theta JC$)	150	D^2PAK
SFS1608G	600	16	125	1.7	0.010	35	2.5 ($R\theta JC$)	150	D^2PAK

SUPER FAST RECTIFIERS

Part No.	V_{RM}	Io	I_{FSM}	V_F (V) max	I_R (mA) max.	trr	Typical	T_j	Package
	(V)	(A)	(A)	T_A=25ºC	T_A=25ºC	(ns)	$R\theta_{JA}$(ºC/W)	(ºC)	
SFT11	50	1	30	0.95	0.005	35	100	150	TS-1
SFT12	100	1	30	0.95	0.005	35	100	150	TS-1
SFT13	150	1	30	0.95	0.005	35	100	150	TS-1
SFT14	200	1	30	0.95	0.005	35	100	150	TS-1
SFT15	300	1	30	1.3	0.005	35	100	150	TS-1
SFT16	400	1	30	1.3	0.005	35	100	150	TS-1
SFT17	500	1	30	1.7	0.005	35	100	150	TS-1
SFT18	600	1	30	1.7	0.005	35	100	150	TS-1
SF11S	50	1	30	0.95	0.005	35	100	150	A-405
SF12S	100	1	30	0.95	0.005	35	100	150	A-405
SF13S	150	1	30	0.95	0.005	35	100	150	A-405
SF14S	200	1	30	0.95	0.005	35	100	150	A-405
SF15S	300	1	30	1.3	0.005	35	100	150	A-405
SF16S	400	1	30	1.3	0.005	35	100	150	A-405
SF17S	500	1	30	1.7	0.005	35	100	150	A-405
SF18S	600	1	30	1.7	0.005	35	100	150	A-405
SF11	50	1	30	0.95	0.005	35	70	150	DO-41
SF12	100	1	30	0.95	0.005	35	70	150	DO-41
SF13	150	1	30	0.95	0.005	35	70	150	DO-41
SF14	200	1	30	0.95	0.005	35	70	150	DO-41
SF15	300	1	30	1.3	0.005	35	70	150	DO-41
SF16	400	1	30	1.3	0.005	35	70	150	DO-41
SF17	500	1	30	1.7	0.005	35	70	150	DO-41
SF18	600	1	30	1.7	0.005	35	70	150	DO-41
SF21	50	2	50	0.95	0.005	35	65	150	DO-15
SF22	100	2	50	0.95	0.005	35	65	150	DO-15
SF23	150	2	50	0.95	0.005	35	65	150	DO-15
SF24	200	2	50	0.95	0.005	35	65	150	DO-15
SF25	300	2	50	1.3	0.005	35	65	150	DO-15
SF26	400	2	50	1.3	0.005	35	65	150	DO-15
SF27	500	2	50	1.7	0.005	35	65	150	DO-15
SF28	600	2	50	1.7	0.005	35	65	150	DO-15
31DF4	400	3	45	1.7	0.020	35	80	150	DO-201AD
31DF6	600	3	45	1.7	0.020	35	80	150	DO-201AD
SF31	50	3	125	0.95	0.005	35	35	150	DO-201AD
SF32	100	3	125	0.95	0.005	35	35	150	DO-201AD
SF33	150	3	125	0.95	0.005	35	35	150	DO-201AD
SF34	200	3	125	0.95	0.005	35	35	150	DO-201AD
SF35	300	3	125	1.3	0.005	35	35	150	DO-201AD
SF36	400	3	125	1.3	0.005	35	35	150	DO-201AD
SF37	500	3	125	1.7	0.005	35	35	150	DO-201AD
SF38	600	3	125	1.7	0.005	35	35	150	DO-201AD

GLASS PASSIVATED SUPER FAST RECTIFIERS

Part No.	V_{RM} (V)	Io (A)	I_{FSM} (A)	V_F (V) max T_A=25ºC	I_R (mA) max. T_A=25ºC	trr (ns)	Typical $R\theta_{JA}$(ºC/W)	T_j (ºC)	Package
UG06A	50	0.6	40	0.95	0.005	15	97	150	TS-1
UG06B	100	0.6	40	0.95	0.005	15	97	150	TS-1
UG06C	150	0.6	40	0.95	0.005	15	97	150	TS-1
UG06D	200	0.6	40	0.95	0.005	15	97	150	TS-1
SFT11G	50	1	30	0.95	0.005	35	100	150	TS-1
SFT12G	100	1	30	0.95	0.005	35	100	150	TS-1
SFT13G	150	1	30	0.95	0.005	35	100	150	TS-1
SFT14G	200	1	30	0.95	0.005	35	100	150	TS-1
SFT15G	300	1	30	1.3	0.005	35	100	150	TS-1
SFT16G	400	1	30	1.3	0.005	35	100	150	TS-1
SFT17G	500	1	30	1.7	0.005	35	100	150	TS-1
SFT18G	600	1	30	1.7	0.005	35	100	150	TS-1
SF11SG	50	1	30	0.95	0.005	35	95	150	A-405
SF12SG	100	1	30	0.95	0.005	35	95	150	A-405
SF13SG	150	1	30	0.95	0.005	35	95	150	A-405
SF14SG	200	1	30	0.95	0.005	35	95	150	A-405
SF15SG	300	1	30	1.3	0.005	35	95	150	A-405
SF16SG	400	1	30	1.3	0.005	35	95	150	A-405
SF17SG	500	1	30	1.7	0.005	35	95	150	A-405
SF18SG	600	1	30	1.7	0.005	35	95	150	A-405
SF11G	50	1	30	0.95	0.005	35	80	150	DO-41
SF12G	100	1	30	0.95	0.005	35	80	150	DO-41
SF13G	150	1	30	0.95	0.005	35	80	150	DO-41
SF14G	200	1	30	0.95	0.005	35	80	150	DO-41
SF15G	300	1	30	1.3	0.005	35	80	150	DO-41
SF16G	400	1	30	1.3	0.005	35	80	150	DO-41
SF17G	500	1	30	1.7	0.005	35	80	150	DO-41
SF18G	600	1	30	1.7	0.005	35	80	150	DO-41
SF21G	50	2	50	0.95	0.005	35	65	150	DO-15
SF22G	100	2	50	0.95	0.005	35	65	150	DO-15
SF23G	150	2	50	0.95	0.005	35	65	150	DO-15
SF24G	200	2	50	0.95	0.005	35	65	150	DO-15
SF25G	300	2	50	1.3	0.005	35	65	150	DO-15
SF26G	400	2	50	1.3	0.005	35	65	150	DO-15
SF27G	500	2	50	1.7	0.005	35	65	150	DO-15
SF28G	600	2	50	1.7	0.005	35	65	150	DO-15
UG2D	200	2	80	0.95	0.005	15	45	150	DO-15
SF31G	50	3	125	0.95	0.005	35	35	150	DO-201AD
SF32G	100	3	125	0.95	0.005	35	35	150	DO-201AD
SF33G	150	3	125	0.95	0.005	35	35	150	DO-201AD
SF34G	200	3	125	0.95	0.005	35	35	150	DO-201AD
SF35G	300	3	125	1.3	0.005	35	35	150	DO-201AD

GLASS PASSIVATED SUPER FAST RECTIFIERS

Part No.	V_{RM} (V)	Io (A)	I_{FSM} (A)	V_F (V) max T_A=25ºC	I_R (mA) max. T_A=25ºC	trr (ns)	Typical $R\theta_{JA}$(ºC/W)	T_j (ºC)	Package
SF36G	400	3	125	1.3	0.005	35	35	150	DO-201AD
SF37G	500	3	125	1.7	0.005	35	35	150	DO-201AD
SF38G	600	3	125	1.7	0.005	35	35	150	DO-201AD
SF41G	50	4	125	1	0.005	35	25	150	DO-201AD
SF42G	100	4	125	1	0.005	35	25	150	DO-201AD
SF43G	150	4	125	1	0.005	35	25	150	DO-201AD
SF44G	200	4	125	1	0.005	35	25	150	DO-201AD
SF45G	300	4	125	1.3	0.005	35	25	150	DO-201AD
SF46G	400	4	125	1.3	0.005	35	25	150	DO-201AD
SF47G	500	4	125	1.7	0.005	35	25	150	DO-201AD
SF48G	600	4	125	1.7	0.005	35	25	150	DO-201AD
SF61G	50	6	150	0.975	0.005	35	40	150	DO-201AD
SF62G	100	6	150	0.975	0.005	35	40	150	DO-201AD
SF63G	150	6	150	0.975	0.005	35	40	150	DO-201AD
SF64G	200	6	150	0.975	0.005	35	40	150	DO-201AD
SF65G	300	6	150	1.3	0.005	35	40	150	DO-201AD
SF66G	400	6	150	1.3	0.005	35	40	150	DO-201AD
SF67G	500	6	150	1.7	0.005	35	40	150	DO-201AD
SF68G	600	6	150	1.7	0.005	35	40	150	DO-201AD
UG5J	600	5	65	3	0.03	20	3 (RθJC)	150	TO-220AC
UG8J	600	8	65	2.9	0.03	25	3 (RθJC)	150	TO-220AC
UGF5J	600	5	65	2.1	0.03	25	5.5 (RθJC)	150	ITO-220AC
UGF8J	600	8	65	2.9	0.03	25	5.5 (RθJC)	150	ITO-220AC
UGF12J	600	12	135	2.9	0.045	25	3 (RθJC)	150	ITO-220AC

GLASS PASSIVATED SUPER FAST RECTIFIERS

Part No.	V_{RM} (V)	Io (A)	I_{FSM} (A)	V_F (V) max T_A=25ºC	I_R (mA) max. T_A=25ºC	trr (ns)	Typical $R\theta_{JC}$(ºC/W)	T_j (ºC)	Package
MUR820	200	8	100	0.975	0.005	25	3	175	TO-220AC
MUR840	400	8	100	1.3	0.005	50	2	175	TO-220AC
MUR860	600	8	100	1.7	0.005	50	2	175	TO-220AC
SFA801G	50	8	125	0.95	0.010	35	4	150	TO-220AC
SFA802G	100	8	125	0.95	0.010	35	4	150	TO-220AC
SFA803G	150	8	125	0.95	0.010	35	4	150	TO-220AC
SFA804G	200	8	125	0.95	0.010	35	4	150	TO-220AC
SFA805G	300	8	125	1.3	0.010	35	4	150	TO-220AC
SFA806G	400	8	125	1.3	0.010	35	4	150	TO-220AC
SFA807G	500	8	125	1.7	0.010	35	4	150	TO-220AC
SFA808G	600	8	125	1.7	0.010	35	4	150	TO-220AC
SF801G	50	8	125	0.975	0.010	35	3	150	TO-220AB
SF802G	100	8	125	0.975	0.010	35	3	150	TO-220AB
SF803G	150	8	125	0.975	0.010	35	3	150	TO-220AB
SF804G	200	8	125	0.975	0.010	35	3	150	TO-220AB
SF805G	300	8	125	1.3	0.010	35	3	150	TO-220AB
SF806G	400	8	125	1.3	0.010	35	3	150	TO-220AB
SF807G	500	8	125	1.7	0.010	35	3	150	TO-220AB
SF808G	600	8	125	1.7	0.010	35	3	150	TO-220AB
SFA1001G	50	10	125	0.975	0.010	35	3.5	150	TO-220AC
SFA1002G	100	10	125	0.975	0.010	35	3.5	150	TO-220AC
SFA1003G	150	10	125	0.975	0.010	35	3.5	150	TO-220AC
SFA1004G	200	10	125	0.975	0.010	35	3.5	150	TO-220AC
SFA1005G	300	10	125	1.3	0.010	35	3.5	150	TO-220AC
SFA1006G	400	10	125	1.3	0.010	35	3.5	150	TO-220AC
SFA1007G	500	10	125	1.7	0.010	35	3.5	150	TO-220AC
SFA1008G	600	10	125	1.7	0.010	35	3.5	150	TO-220AC
SF1001G	50	10	125	0.975	0.010	35	3.5	150	TO-220AB
SF1002G	100	10	125	0.975	0.010	35	3.5	150	TO-220AB
SF1003G	150	10	125	0.975	0.010	35	3.5	150	TO-220AB
SF1004G	200	10	125	0.975	0.010	35	3.5	150	TO-220AB
SF1005G	300	10	125	1.3	0.010	35	3.5	150	TO-220AB
SF1006G	400	10	125	1.3	0.010	35	3.5	150	TO-220AB
SF1007G	500	10	125	1.7	0.010	35	3.5	150	TO-220AB
SF1008G	600	10	125	1.7	0.010	35	3.5	150	TO-220AB
MUR1620CT	200	16	100	0.975	0.005	25	3	150	TO-220AB
MUR1640CT	400	16	100	1.3	0.010	50	2	150	TO-220AB
MUR1660CT	600	16	100	1.5	0.010	50	2	150	TO-220AB
SF1601G	50	16	125	0.975	0.010	35	1.5	150	TO-220AB
SF1602G	100	16	125	0.975	0.010	35	1.5	150	TO-220AB
SF1603G	150	16	125	0.975	0.010	35	1.5	150	TO-220AB
SF1604G	200	16	125	0.975	0.010	35	1.5	150	TO-220AB

GLASS PASSIVATED SUPER FAST RECTIFIERS

Part No.	V_{RM} (V)	Io (A)	I_{FSM} (A)	V_F (V) max T_A=25ºC	I_R (mA) max. T_A=25ºC	trr (ns)	Typical $R\theta_{JC}$(ºC/W)	T_j (ºC)	Package
SF1605G	300	16	125	1.3	0.010	35	1.5	150	TO-220AB
SF1606G	400	16	125	1.3	0.010	35	1.5	150	TO-220AB
SF1607G	500	16	125	1.7	0.010	35	1.5	150	TO-220AB
SF1608G	600	16	125	1.7	0.010	35	1.5	150	TO-220AB
SF2001G	50	20	150	0.975	0.005	35	2.5	150	TO-220AB
SF2002G	100	20	150	0.975	0.005	35	2.5	150	TO-220AB
SF2003G	150	20	150	0.975	0.005	35	2.5	150	TO-220AB
SF2004G	200	20	150	0.975	0.005	35	2.5	150	TO-220AB
SF2005G	300	20	150	1.3	0.005	35	2.5	150	TO-220AB
SF2006G	400	20	150	1.3	0.005	35	2.5	150	TO-220AB
SF2007G	500	20	150	1.7	0.005	35	2.5	150	TO-220AB
SF2008G	600	20	150	1.7	0.005	35	2.5	150	TO-220AB
SFAF501G	50	5	125	0.975	0.010	35	5	150	ITO-220AC
SFAF502G	100	5	125	0.975	0.010	35	5	150	ITO-220AC
SFAF503G	150	5	125	0.975	0.010	35	5	150	ITO-220AC
SFAF504G	200	5	125	0.975	0.010	35	5	150	ITO-220AC
SFAF505G	300	5	125	1.3	0.010	35	5	150	ITO-220AC
SFAF506G	400	5	125	1.3	0.010	35	5	150	ITO-220AC
SFAF507G	500	5	125	1.7	0.010	35	5	150	ITO-220AC
SFAF508G	600	5	125	1.7	0.010	35	5	150	ITO-220AC
SFF501G	50	5	70	0.98	0.010	35	5.5	150	ITO-220AB
SFF502G	100	5	70	0.98	0.010	35	5.5	150	ITO-220AB
SFF503G	150	5	70	0.98	0.010	35	5.5	150	ITO-220AB
SFF504G	200	5	70	0.98	0.010	35	5.5	150	ITO-220AB
SFF505G	300	5	70	1.3	0.010	35	5.5	150	ITO-220AB
SFF506G	400	5	70	1.3	0.010	35	5.5	150	ITO-220AB
SFF507G	500	5	70	1.7	0.010	35	5.5	150	ITO-220AB
SFF508G	600	5	70	1.7	0.010	35	5.5	150	ITO-220AB
SFAF801G	50	8	125	0.95	0.010	35	4	150	ITO-220AC
SFAF802G	100	8	125	0.95	0.010	35	4	150	ITO-220AC
SFAF803G	150	8	125	0.95	0.010	35	4	150	ITO-220AC
SFAF804G	200	8	125	0.95	0.010	35	4	150	ITO-220AC
SFAF805G	300	8	125	1.3	0.010	35	4	150	ITO-220AC
SFAF806G	400	8	125	1.3	0.010	35	4	150	ITO-220AC
SFAF807G	500	8	125	1.7	0.010	35	4	150	ITO-220AC
SFAF808G	600	8	125	1.7	0.010	35	4	150	ITO-220AC
SFAF1001G	50	10	150	0.975	0.010	35	4	150	ITO-220AC
SFAF1002G	100	10	150	0.975	0.010	35	4	150	ITO-220AC
SFAF1003G	150	10	150	0.975	0.010	35	4	150	ITO-220AC
SFAF1004G	200	10	150	0.975	0.010	35	4	150	ITO-220AC
SFAF1005G	300	10	150	1.3	0.010	35	4	150	ITO-220AC
SFAF1006G	400	10	150	1.3	0.010	35	4	150	ITO-220AC

GLASS PASSIVATED SUPER FAST RECTIFIERS

Part No.	V_{RM} (V)	Io (A)	I_{FSM} (A)	V_F (V) max T_A=25ºC	I_R (mA) max. T_A=25ºC	trr (ns)	Typical $R\theta_{JC}$(ºC/W)	T_j (ºC)	Package
SFAF1007G	500	10	150	1.7	0.010	35	4	150	ITO-220AC
SFAF1008G	600	10	150	1.7	0.010	35	4	150	ITO-220AC
SFF1001G	50	10	125	0.975	0.010	35	2	150	ITO-220AB
SFF1002G	100	10	125	0.975	0.010	35	2	150	ITO-220AB
SFF1003G	150	10	125	0.975	0.010	35	2	150	ITO-220AB
SFF1004G	200	10	125	0.975	0.010	35	2	150	ITO-220AB
SFF1005G	300	10	125	1.3	0.010	35	2	150	ITO-220AB
SFF1006G	400	10	125	1.3	0.010	35	2	150	ITO-220AB
SFF1007G	500	10	125	1.7	0.010	35	2	150	ITO-220AB
SFF1008G	600	10	125	1.7	0.010	35	2	150	ITO-220AB
SFF1001GA	50	10	125	0.975	0.010	35	8	150	ITO-220AB
SFF1002GA	100	10	125	0.975	0.010	35	8	150	ITO-220AB
SFF1003GA	150	10	125	0.975	0.010	35	8	150	ITO-220AB
SFF1004GA	200	10	125	0.975	0.010	35	8	150	ITO-220AB
SFF1005GA	300	10	125	1.3	0.010	35	8	150	ITO-220AB
SFF1006GA	400	10	125	1.3	0.010	35	8	150	ITO-220AB
SFF1007GA	500	10	125	1.7	0.010	35	8	150	ITO-220AB
SFF1008GA	600	10	125	1.7	0.010	35	8	150	ITO-220AB
SFAF1601G	50	16	200	0.975	0.010	35	1.3	150	ITO-220AC
SFAF1602G	100	16	200	0.975	0.010	35	1.3	150	ITO-220AC
SFAF1603G	150	16	200	0.975	0.010	35	1.3	150	ITO-220AC
SFAF1604G	200	16	200	0.975	0.010	35	1.3	150	ITO-220AC
SFAF1605G	300	16	200	1.3	0.010	35	1.3	150	ITO-220AC
SFAF1606G	400	16	200	1.3	0.010	35	1.3	150	ITO-220AC
SFAF1607G	500	16	200	1.7	0.010	35	1.3	150	ITO-220AC
SFAF1608G	600	16	200	1.7	0.010	35	1.3	150	ITO-220AC
MURF1620CT	200	16	100	0.975	0.005	25	3	150	ITO-220AB
MURF1640CT	400	16	100	1.3	0.010	50	2	150	ITO-220AB
MURF1660CT	600	16	100	1.5	0.010	50	2	150	ITO-220AB
SFF1601G	50	16	125	0.975	0.010	35	1.5	150	ITO-220AB
SFF1602G	100	16	125	0.975	0.010	35	1.5	150	ITO-220AB
SFF1603G	150	16	125	0.975	0.010	35	1.5	150	ITO-220AB
SFF1604G	200	16	125	0.975	0.010	35	1.5	150	ITO-220AB
SFF1605G	300	16	125	1.3	0.010	35	1.5	150	ITO-220AB
SFF1606G	400	16	125	1.3	0.010	35	1.5	150	ITO-220AB
SFF1607G	500	16	125	1.7	0.010	35	1.5	150	ITO-220AB
SFF1608G	600	16	125	1.7	0.010	35	1.5	150	ITO-220AB
SFAF2001G	50	20	200	0.975	0.010	35	3	150	ITO-220AC
SFAF2002G	100	20	200	0.975	0.010	35	3	150	ITO-220AC
SFAF2003G	150	20	200	0.975	0.010	35	3	150	ITO-220AC
SFAF2004G	200	20	200	0.975	0.010	35	3	150	ITO-220AC
SFAF2005G	300	20	200	1.3	0.010	35	3	150	ITO-220AC

GLASS PASSIVATED SUPER FAST RECTIFIERS

Part No.	V_{RM} (V)	Io (A)	I_{FSM} (A)	V_F (V) max T_A=25ºC	I_R (mA) max. T_A=25ºC	trr (ns)	Typical $R\theta_{JC}$(ºC/W)	T_j (ºC)	Package
SFAF2006G	400	20	200	1.3	0.010	35	3	150	ITO-220AC
SFAF2007G	500	20	200	1.7	0.010	35	3	150	ITO-220AC
SFAF2008G	600	20	200	1.7	0.010	35	3	150	ITO-220AC
SFF2001G	50	20	150	0.975	0.010	35	2.5	150	ITO-220AB
SFF2002G	100	20	150	0.975	0.010	35	2.5	150	ITO-220AB
SFF2003G	150	20	150	0.975	0.010	35	2.5	150	ITO-220AB
SFF2004G	200	20	150	0.975	0.010	35	2.5	150	ITO-220AB
SFF2005G	300	20	150	1.3	0.010	35	2.5	150	ITO-220AB
SFF2006G	400	20	150	1.3	0.010	35	2.5	150	ITO-220AB
SFF2007G	500	20	150	1.7	0.010	35	2.5	150	ITO-220AB
SFF2008G	600	20	150	1.7	0.010	35	2.5	150	ITO-220AB
SFF2005GA	300	20	150	1.3	0.010	35	7	150	ITO-220AB
SFF2008GA	600	20	150	1.7	0.010	35	7	150	ITO-220AB
SF1601PT	50	16	150	0.95	0.010	35	2	150	TO-3P
SF1602PT	100	16	150	0.95	0.010	35	2	150	TO-3P
SF1603PT	150	16	150	0.95	0.010	35	2	150	TO-3P
SF1604PT	200	16	150	0.95	0.010	35	2	150	TO-3P
SF1605PT	300	16	150	1.3	0.010	35	2	150	TO-3P
SF1606PT	400	16	150	1.3	0.010	35	2	150	TO-3P
SF1607PT	500	16	150	1.7	0.010	35	2	150	TO-3P
SF1608PT	600	16	150	1.7	0.010	35	2	150	TO-3P
SF2001PT	50	20	280	0.95	0.010	35	2.5	150	TO-3P
SF2002PT	100	20	280	0.95	0.010	35	2.5	150	TO-3P
SF2003PT	150	20	280	0.95	0.010	35	2.5	150	TO-3P
SF2004PT	200	20	280	0.95	0.010	35	2.5	150	TO-3P
SF2005PT	300	20	280	1.3	0.010	35	2.5	150	TO-3P
SF2006PT	400	20	280	1.3	0.010	35	2.5	150	TO-3P
SF2007PT	500	20	280	1.7	0.010	35	2.5	150	TO-3P
SF2008PT	600	20	280	1.7	0.010	35	2.5	150	TO-3P
SF3001PT	50	30	300	0.95	0.010	35	1	150	TO-3P
SF3002PT	100	30	300	0.95	0.010	35	1	150	TO-3P
SF3003PT	150	30	300	0.95	0.010	35	1	150	TO-3P
SF3004PT	200	30	300	0.95	0.010	35	1	150	TO-3P
SF3005PT	300	30	300	1.3	0.010	35	1	150	TO-3P
SF3006PT	400	30	300	1.3	0.010	35	1	150	TO-3P
SF3008PT	600	30	300	1.7	0.010	50	1	150	TO-3P

SURFACE MOUNT GLASS PASSIVATED HIGH EFFICIENT RECTIFIERS

Part No.	V_{RM} (V)	Io (A)	I_{FSM} (A)	V_F (V) max T_A=25ºC	I_R (mA) max. T_A=25ºC	trr (ns)	Typical $R\theta_{JA}$(ºC/W)	T_j (ºC)	Package
HS1A	50	1	30	1	0.005	50	70	150	SMA(DO-214AC)
HS1B	100	1	30	1	0.005	50	70	150	SMA(DO-214AC)
HS1D	200	1	30	1	0.005	50	70	150	SMA(DO-214AC)
HS1F	300	1	30	1	0.005	50	70	150	SMA(DO-214AC)
HS1G	400	1	30	1.3	0.005	50	70	150	SMA(DO-214AC)
HS1J	600	1	30	1.7	0.005	75	70	150	SMA(DO-214AC)
HS1K	800	1	30	1.7	0.005	75	70	150	SMA(DO-214AC)
HS1M	1000	1	30	1.7	0.005	75	70	150	SMA(DO-214AC)
US1A	50	1	30	1	0.005	50	75	150	SMA(DO-214AC)
US1B	100	1	30	1	0.005	50	75	150	SMA(DO-214AC)
US1D	200	1	30	1	0.005	50	75	150	SMA(DO-214AC)
US1G	400	1	30	1	0.005	50	75	150	SMA(DO-214AC)
US1J	600	1	30	1.7	0.005	75	75	150	SMA(DO-214AC)
US1K	800	1	30	1.7	0.005	75	75	150	SMA(DO-214AC)
US1M	1000	1	30	1.7	0.005	75	75	150	SMA(DO-214AC)
HS2AA	50	1.5	50	1	0.005	50	80	150	SMA(DO-214AC)
HS2BA	100	1.5	50	1	0.005	50	80	150	SMA(DO-214AC)
HS2DA	200	1.5	50	1	0.005	50	80	150	SMA(DO-214AC)
HS2FA	300	1.5	50	1	0.005	50	80	150	SMA(DO-214AC)
HS2GA	400	1.5	50	1.3	0.005	50	80	150	SMA(DO-214AC)
HS2JA	600	1.5	50	1.7	0.005	75	80	150	SMA(DO-214AC)
HS2KA	800	1.5	50	1.7	0.005	75	80	150	SMA(DO-214AC)
HS2MA	1000	1.5	50	1.7	0.005	75	80	150	SMA(DO-214AC)
HS2A	50	2	50	1	0.005	50	80	150	SMB(DO-214AA)
HS2B	100	2	50	1	0.005	50	80	150	SMB(DO-214AA)
HS2D	200	2	50	1	0.005	50	80	150	SMB(DO-214AA)
HS2F	300	2	50	1	0.005	50	80	150	SMB(DO-214AA)
HS2G	400	2	50	1.3	0.005	50	80	150	SMB(DO-214AA)
HS2J	600	2	50	1.7	0.005	75	80	150	SMB(DO-214AA)
HS2K	800	2	50	1.7	0.005	75	80	150	SMB(DO-214AA)
HS2M	1000	2	50	1.7	0.005	75	80	150	SMB(DO-214AA)
HS3AB	50	3	150	1	0.010	50	60	150	SMB(DO-214AA)
HS3BB	100	3	150	1	0.010	50	60	150	SMB(DO-214AA)
HS3DB	200	3	150	1	0.010	50	60	150	SMB(DO-214AA)
HS3FB	300	3	150	1	0.010	50	60	150	SMB(DO-214AA)
HS3GB	400	3	150	1.3	0.010	50	60	150	SMB(DO-214AA)
HS3JB	600	3	150	1.7	0.010	75	60	150	SMB(DO-214AA)
HS3KB	800	3	150	1.7	0.010	75	60	150	SMB(DO-214AA)
HS3MB	1000	3	150	1.7	0.010	75	60	150	SMB(DO-214AA)
HS3A	50	3	150	1	0.010	50	60	150	SMC(DO-214AB)
HS3B	100	3	150	1	0.010	50	60	150	SMC(DO-214AB)
HS3D	200	3	150	1	0.010	50	60	150	SMC(DO-214AB)

SURFACE MOUNT GLASS PASSIVATED HIGH EFFICIENT RECTIFIERS

Part No.	V_{RM} (V)	Io (A)	I_{FSM} (A)	V_F (V) max T_A=25ºC	I_R (mA) max. T_A=25ºC	trr (ns)	Typical $R\theta_{JA}$(ºC/W)	T_j (ºC)	Package
HS3F	300	3	150	1	0.010	50	60	150	SMC(DO-214AB)
HS3G	400	3	150	1.3	0.010	50	60	150	SMC(DO-214AB)
HS3J	600	3	150	1.7	0.010	75	60	150	SMC(DO-214AB)
HS3K	800	3	150	1.7	0.010	75	60	150	SMC(DO-214AB)
HS3M	1000	3	150	1.7	0.010	75	60	150	SMC(DO-214AB)
HS5A	50	5	150	1	0.010	50	60	150	SMC(DO-214AB)
HS5B	100	5	150	1	0.010	50	60	150	SMC(DO-214AB)
HS5D	200	5	150	1	0.010	50	60	150	SMC(DO-214AB)
HS5F	300	5	150	1	0.010	50	60	150	SMC(DO-214AB)
HS5G	400	5	150	1.3	0.010	50	60	150	SMC(DO-214AB)
HS5J	600	5	150	1.7	0.010	75	60	150	SMC(DO-214AB)
HS5K	800	5	150	1.7	0.010	75	60	150	SMC(DO-214AB)
HS5M	1000	5	150	1.7	0.010	75	60	150	SMC(DO-214AB)

HIGH EFFICIENT RECTIFIERS

Part No.	V_{RM} (V)	Io (A)	I_{FSM} (A)	V_F (V) max T_A=25ºC	I_R (mA) max. T_A=25ºC	trr (ns)	Typical $R\theta_{JA}$(ºC/W)	T_j (ºC)	Package
HT11	50	1	30	1	0.005	50	100	150	TS-1
HT12	100	1	30	1	0.005	50	100	150	TS-1
HT13	200	1	30	1	0.005	50	100	150	TS-1
HT14	300	1	30	1	0.005	50	100	150	TS-1
HT15	400	1	30	1.3	0.005	50	100	150	TS-1
HT16	600	1	30	1.7	0.005	75	100	150	TS-1
HT17	800	1	30	1.7	0.005	75	100	150	TS-1
HT18	1000	1	30	1.7	0.005	75	100	150	TS-1
HER101S	50	1	30	1	0.005	50	100	150	A-405
HER102S	100	1	30	1	0.005	50	100	150	A-405
HER103S	200	1	30	1	0.005	50	100	150	A-405
HER104S	300	1	30	1	0.005	50	100	150	A-405
HER105S	400	1	30	1.3	0.005	50	100	150	A-405
HER106S	600	1	30	1.7	0.005	75	100	150	A-405
HER107S	800	1	30	1.7	0.005	75	100	150	A-405
HER108S	1000	1	30	1.7	0.005	75	100	150	A-405
HER101	50	1	30	1	0.005	50	70	150	DO-41
HER102	100	1	30	1	0.005	50	70	150	DO-41
HER103	200	1	30	1	0.005	50	70	150	DO-41
HER104	300	1	30	1	0.005	50	70	150	DO-41
HER105	400	1	30	1.3	0.005	50	70	150	DO-41
HER106	600	1	30	1.7	0.005	75	70	150	DO-41
HER107	800	1	30	1.7	0.005	75	70	150	DO-41
HER108	1000	1	30	1.7	0.005	75	70	150	DO-41
HER151	50	1.5	50	1	0.005	50	60	150	DO-15
HER152	100	1.5	50	1	0.005	50	60	150	DO-15
HER153	200	1.5	50	1	0.005	50	60	150	DO-15
HER154	300	1.5	50	1	0.005	50	60	150	DO-15
HER155	400	1.5	50	1.3	0.005	50	60	150	DO-15
HER156	600	1.5	50	1.7	0.005	75	60	150	DO-15
HER157	800	1.5	50	1.7	0.005	75	60	150	DO-15
HER158	1000	1.5	50	1.7	0.005	75	60	150	DO-15
HER201	50	2	60	1	0.005	50	60	150	DO-15
HER202	100	2	60	1	0.005	50	60	150	DO-15
HER203	200	2	60	1	0.005	50	60	150	DO-15
HER204	300	2	60	1	0.005	50	60	150	DO-15
HER205	400	2	60	1.3	0.005	50	60	150	DO-15
HER206	600	2	60	1.7	0.005	75	60	150	DO-15
HER207	800	2	60	1.7	0.005	75	60	150	DO-15
HER301	50	3	150	1	0.010	50	40	150	DO-201AD
HER302	100	3	150	1	0.010	50	40	150	DO-201AD
HER303	200	3	150	1	0.010	50	40	150	DO-201AD

HIGH EFFICIENT RECTIFIERS

Part No.	V_{RM} (V)	Io (A)	I_{FSM} (A)	V_F (V) max T_A=25ºC	I_R (mA) max. T_A=25ºC	trr (ns)	Typical $R\theta_{JA}$(ºC/W)	T_j (ºC)	Package
HER304	300	3	150	1	0.010	50	40	150	DO-201AD
HER305	400	3	150	1.3	0.010	50	40	150	DO-201AD
HER306	600	3	150	1.7	0.010	75	40	150	DO-201AD
HER307	800	3	150	1.7	0.010	75	40	150	DO-201AD

GLASS PASSIVATED HIGH EFFICIENT RECTIFIERS

Part No.	V_{RM} (V)	Io (A)	I_{FSM} (A)	V_F (V) max T_A=25ºC	I_R (mA) max. T_A=25ºC	trr (ns)	Typical $R\theta_{JA}$(ºC/W)	T_j (ºC)	Package
HT11G	50	1	30	1	0.005	50	95	150	TS-1
HT12G	100	1	30	1	0.005	50	95	150	TS-1
HT13G	200	1	30	1	0.005	50	95	150	TS-1
HT14G	300	1	30	1	0.005	50	95	150	TS-1
HT15G	400	1	30	1.3	0.005	50	95	150	TS-1
HT16G	600	1	30	1.7	0.005	75	95	150	TS-1
HT17G	800	1	30	1.7	0.005	75	95	150	TS-1
HT18G	1000	1	30	1.7	0.005	75	95	150	TS-1
HER101SG	50	1	30	1	0.005	50	90	150	A-405
HER102SG	100	1	30	1	0.005	50	90	150	A-405
HER103SG	200	1	30	1	0.005	50	90	150	A-405
HER104SG	300	1	30	1	0.005	50	90	150	A-405
HER105SG	400	1	30	1.3	0.005	50	90	150	A-405
HER106SG	600	1	30	1.7	0.005	75	90	150	A-405
HER107SG	800	1	30	1.7	0.005	75	90	150	A-405
HER108SG	1000	1	30	1.7	0.005	75	90	150	A-405
HER101G	50	1	30	1	0.005	50	60	150	DO-41
HER102G	100	1	30	1	0.005	50	60	150	DO-41
HER103G	200	1	30	1	0.005	50	60	150	DO-41
HER104G	300	1	30	1	0.005	50	60	150	DO-41
HER105G	400	1	30	1.3	0.005	50	60	150	DO-41
HER106G	600	1	30	1.7	0.005	75	60	150	DO-41
HER107G	800	1	30	1.7	0.005	75	60	150	DO-41
HER108G	1000	1	30	1.7	0.005	75	60	150	DO-41
MUR160A	600	1	35	1.25	0.005	50	50	175	DO-41
MUR190A	900	1	35	1.7	0.005	75	50	175	DO-41
UF1A	50	1	30	1	0.010	50	60	150	DO-41
UF1B	100	1	30	1	0.010	50	60	150	DO-41
UF1D	200	1	30	1	0.010	50	60	150	DO-41
UF1G	400	1	30	1	0.010	50	60	150	DO-41
UF1J	600	1	30	1.7	0.010	75	60	150	DO-41
UF1K	800	1	30	1.7	0.010	75	60	150	DO-41
UF1M	1000	1	30	1.7	0.010	75	60	150	DO-41
UF4001	50	1	30	1.0	0.005	50	60	150	DO-41
UF4002	100	1	30	1.0	0.005	50	60	150	DO-41
UF4003	200	1	30	1.0	0.005	50	60	150	DO-41
UF4004	400	1	30	1.0	0.005	50	60	150	DO-41
UF4005	600	1	30	1.7	0.005	75	60	150	DO-41
UF4006	800	1	30	1.7	0.005	75	60	150	DO-41
UF4007	1000	1	30	1.7	0.005	75	60	150	DO-41
MUR160	600	1	35	1.25	0.005	50	50	175	DO-15
MUR190	900	1	35	1.7	0.005	75	50	175	DO-15

GLASS PASSIVATED HIGH EFFICIENT RECTIFIERS

Part No.	V_{RM} (V)	Io (A)	I_{FSM} (A)	V_F (V) max T_A=25ºC	I_R (mA) max. T_A=25ºC	trr (ns)	Typical $R\theta_{JA}$(ºC/W)	T_j (ºC)	Package
HER151G	50	1.5	50	1	0.005	50	60	150	DO-15
HER152G	100	1.5	50	1	0.005	50	60	150	DO-15
HER153G	200	1.5	50	1	0.005	50	60	150	DO-15
HER154G	300	1.5	50	1	0.005	50	60	150	DO-15
HER155G	400	1.5	50	1.3	0.005	50	60	150	DO-15
HER156G	600	1.5	50	1.7	0.005	75	60	150	DO-15
HER157G	800	1.5	50	1.7	0.005	75	60	150	DO-15
HER158G	1000	1.5	50	1.7	0.005	75	60	150	DO-15
HER201G	50	2	60	1	0.005	50	60	150	DO-15
HER202G	100	2	60	1	0.005	50	60	150	DO-15
HER203G	200	2	60	1	0.005	50	60	150	DO-15
HER204G	300	2	60	1	0.005	50	60	150	DO-15
HER205G	400	2	60	1.3	0.005	50	60	150	DO-15
HER206G	600	2	60	1.7	0.005	75	60	150	DO-15
HER207G	800	2	60	1.7	0.005	75	60	150	DO-15
HER208G	1000	2	60	1.7	0.005	75	60	150	DO-15
HER301G	50	3	125	1	0.010	50	35	150	DO-201AD
HER302G	100	3	125	1	0.010	50	35	150	DO-201AD
HER303G	200	3	125	1	0.010	50	35	150	DO-201AD
HER304G	300	3	125	1	0.010	50	35	150	DO-201AD
HER305G	400	3	125	1.3	0.010	50	35	150	DO-201AD
HER306G	600	3	125	1.7	0.010	75	35	150	DO-201AD
HER307G	800	3	125	1.7	0.010	75	35	150	DO-201AD
HER308G	1000	3	125	1.7	0.010	75	35	150	DO-201AD
MUR420	200	4	125	0.89	0.005	25	28	150	DO-201AD
MUR440	400	4	125	1.28	0.010	50	28	150	DO-201AD
MUR460	600	4	125	1.28	0.010	50	28	150	DO-201AD
HER601G	50	6	150	1	0.010	50	37	150	R-6
HER602G	100	6	150	1	0.010	50	37	150	R-6
HER603G	200	6	150	1	0.010	50	37	150	R-6
HER604G	300	6	150	1	0.010	50	37	150	R-6
HER605G	400	6	150	1.3	0.010	50	37	150	R-6
HER606G	600	6	150	1.7	0.010	75	37	150	R-6
HER607G	800	6	150	1.7	0.010	75	37	150	R-6
HER608G	1000	6	150	1.7	0.010	75	37	150	R-6

GLASS PASSIVATED HIGH EFFICIENT RECTIFIERS

Part No.	V_{RRM} (V)	Io (A)	I_{FSM} (A)	V_F (V) max T_A=25ºC	I_R (mA) max. T_A=25ºC	trr (ns)	Typical $R\theta_{JC}$(ºC/W)	T_j (ºC)	Package
HERA801G	50	8	150	1	0.010	50	2	150	TO-220AC
HERA802G	100	8	150	1	0.010	50	2	150	TO-220AC
HERA803G	200	8	150	1	0.010	50	2	150	TO-220AC
HERA804G	300	8	150	1	0.010	50	2	150	TO-220AC
HERA805G	400	8	150	1.3	0.010	50	2	150	TO-220AC
HERA806G	600	8	150	1.7	0.010	80	2	150	TO-220AC
HERA807G	800	8	150	1.7	0.010	80	2	150	TO-220AC
HERA808G	1000	8	150	1.7	0.010	80	2	150	TO-220AC
HER1001G	50	10	125	1	0.010	50	1.5	150	TO-220AB
HER1002G	100	10	125	1	0.010	50	1.5	150	TO-220AB
HER1003G	200	10	125	1	0.010	50	1.5	150	TO-220AB
HER1004G	300	10	125	1	0.010	50	1.5	150	TO-220AB
HER1005G	400	10	125	1.3	0.010	50	1.5	150	TO-220AB
HER1006G	600	10	125	1.7	0.010	80	1.5	150	TO-220AB
HER1007G	800	10	125	1.7	0.010	80	1.5	150	TO-220AB
HER1008G	1000	10	125	1.7	0.010	80	1.5	150	TO-220AB
HER1601G	50	16	125	1	0.010	50	1.5	150	TO-220AB
HER1602G	100	16	125	1	0.010	50	1.5	150	TO-220AB
HER1603G	200	16	125	1	0.010	50	1.5	150	TO-220AB
HER1604G	300	16	125	1	0.010	50	1.5	150	TO-220AB
HER1605G	400	16	125	1.3	0.010	50	1.5	150	TO-220AB
HER1606G	600	16	125	1.7	0.010	80	1.5	150	TO-220AB
HER1607G	800	16	125	1.7	0.010	80	1.5	150	TO-220AB
HER1608G	1000	16	125	1.7	0.010	80	1.5	150	TO-220AB
HERAF801G	50	8	150	1	0.010	50	2	150	ITO-220AC
HERAF802G	100	8	150	1	0.010	50	2	150	ITO-220AC
HERAF803G	200	8	150	1	0.010	50	2	150	ITO-220AC
HERAF804G	300	8	150	1	0.010	50	2	150	ITO-220AC
HERAF805G	400	8	150	1.3	0.010	50	2	150	ITO-220AC
HERAF806G	600	8	150	1.7	0.010	80	2	150	ITO-220AC
HERAF807G	800	8	150	1.7	0.010	80	2	150	ITO-220AC
HERAF808G	1000	8	150	1.7	0.010	80	2	150	ITO-220AC
HERAF1001G	50	10	150	1	0.010	50	2	150	ITO-220AC
HERAF1002G	100	10	150	1	0.010	50	2	150	ITO-220AC
HERAF1003G	200	10	150	1	0.010	50	2	150	ITO-220AC
HERAF1004G	300	10	150	1	0.010	50	2	150	ITO-220AC
HERAF1005G	400	10	150	1.3	0.010	50	2	150	ITO-220AC
HERAF1006G	600	10	150	1.7	0.010	80	2	150	ITO-220AC
HERAF1007G	800	10	150	1.7	0.010	80	2	150	ITO-220AC
HERAF1008G	1000	10	150	1.7	0.010	80	2	150	ITO-220AC
HERF1001G	50	10	125	1	0.010	50	3	150	ITO-220AB
HERF1002G	100	10	125	1	0.010	50	3	150	ITO-220AB

GLASS PASSIVATED HIGH EFFICIENT RECTIFIERS

Part No.	V_{RRM} (V)	Io (A)	I_{FSM} (A)	V_F (V) max T_A=25ºC	I_R (mA) max. T_A=25ºC	trr (ns)	Typical $R\theta_{JC}$(ºC/W)	T_j (ºC)	Package
HERF1003G	200	10	125	1	0.010	50	3	150	ITO-220AB
HERF1004G	300	10	125	1	0.010	50	3	150	ITO-220AB
HERF1005G	400	10	125	1.3	0.010	50	3	150	ITO-220AB
HERF1006G	600	10	125	1.7	0.010	80	3	150	ITO-220AB
HERF1007G	800	10	125	1.7	0.010	80	3	150	ITO-220AB
HERF1008G	1000	10	125	1.7	0.010	80	3	150	ITO-220AB
HERAF1601G	50	16	250	1	0.010	50	2	150	ITO-220AC
HERAF1602G	100	16	250	1	0.010	50	2	150	ITO-220AC
HERAF1603G	200	16	250	1	0.010	50	2	150	ITO-220AC
HERAF1604G	300	16	250	1	0.010	50	2	150	ITO-220AC
HERAF1605G	400	16	250	1.3	0.010	50	2	150	ITO-220AC
HERAF1606G	600	16	250	1.7	0.010	80	2	150	ITO-220AC
HERAF1607G	800	16	250	1.7	0.010	80	2	150	ITO-220AC
HERAF1608G	1000	16	250	1.7	0.010	80	2	150	ITO-220AC
HERF1601G	50	16	125	1	0.010	50	1.5	150	ITO-220AB
HERF1602G	100	16	125	1	0.010	50	1.5	150	ITO-220AB
HERF1603G	200	16	125	1	0.010	50	1.5	150	ITO-220AB
HERF1604G	300	16	125	1	0.010	50	1.5	150	ITO-220AB
HERF1605G	400	16	125	1.3	0.010	50	1.5	150	ITO-220AB
HERF1606G	600	16	125	1.7	0.010	80	1.5	150	ITO-220AB
HERF1607G	800	16	125	1.7	0.010	80	1.5	150	ITO-220AB
HERF1608G	1000	16	125	1.7	0.010	80	1.5	150	ITO-220AB
HER1601PT	50	16	200	1	0.010	50	-	150	TO-3P
HER1602PT	100	16	200	1	0.010	50	-	150	TO-3P
HER1603PT	200	16	200	1	0.010	50	-	150	TO-3P
HER1604PT	300	16	200	1.3	0.010	50	-	150	TO-3P
HER1605PT	400	16	200	1.3	0.010	50	-	150	TO-3P
HER1606PT	600	16	200	1.7	0.010	80	-	150	TO-3P
HER1607PT	800	16	200	1.7	0.010	80	-	150	TO-3P
HER1608PT	1000	16	200	1.7	0.010	80	-	150	TO-3P
HER3001PT	50	30	300	1	0.010	50	-	150	TO-3P
HER3002PT	100	30	300	1	0.010	50	-	150	TO-3P
HER3003PT	200	30	300	1	0.010	50	-	150	TO-3P
HER3004PT	300	30	300	1	0.010	50	-	150	TO-3P
HER3005PT	400	30	300	1.3	0.010	50	-	150	TO-3P
HER3006PT	600	30	300	1.7	0.010	80	-	150	TO-3P
HER3007PT	800	30	300	1.7	0.010	80	-	150	TO-3P
HER3008PT	1000	30	300	1.7	0.010	80	-	150	TO-3P

SURFACE MOUNT GLASS PASSIVATED FAST RECOVERY RECTIFIERS

Part No.	V_{RM} (V)	Io (A)	I_{FSM} (A)	V_F (V) max T_A=25ºC	I_R (mA) max. T_A=25ºC	trr (ns)	Typical $R\theta_{JA}$(ºC/W)	T_j (ºC)	Package
RSFAL	50	0.5	30	1.3	0.005	150	150	150	SUB SMA
RSFBL	100	0.5	30	1.3	0.005	150	150	150	SUB SMA
RSFDL	200	0.5	30	1.3	0.005	150	150	150	SUB SMA
RSFGL	400	0.5	30	1.3	0.005	150	150	150	SUB SMA
RSFJL	600	0.5	30	1.3	0.005	250	150	150	SUB SMA
RSFKL	800	0.5	30	1.3	0.005	500	150	150	SUB SMA
RSFML	1000	0.5	30	1.3	0.005	500	150	150	SUB SMA
RS1AL	50	0.8	30	1.3	0.005	150	105	150	SUB SMA
RS1BL	100	0.8	30	1.3	0.005	150	105	150	SUB SMA
RS1DL	200	0.8	30	1.3	0.005	150	105	150	SUB SMA
RS1GL	400	0.8	30	1.3	0.005	150	105	150	SUB SMA
RS1JL	600	0.8	30	1.3	0.005	250	105	150	SUB SMA
RS1KL	800	0.8	30	1.3	0.005	500	105	150	SUB SMA
RS1ML	1000	0.8	30	1.3	0.005	500	105	150	SUB SMA
RS1A	50	1	30	1.3	0.005	150	105	150	SMA(DO-214AC)
RS1B	100	1	30	1.3	0.005	150	105	150	SMA(DO-214AC)
RS1D	200	1	30	1.3	0.005	150	105	150	SMA(DO-214AC)
RS1G	400	1	30	1.3	0.005	150	105	150	SMA(DO-214AC)
RS1J	600	1	30	1.3	0.005	250	105	150	SMA(DO-214AC)
RS1K	800	1	30	1.3	0.005	500	105	150	SMA(DO-214AC)
RS1M	1000	1	30	1.3	0.005	500	105	150	SMA(DO-214AC)
RS2AA	50	1.5	50	1.3	0.005	150	55	150	SMA(DO-214AC)
RS2BA	100	1.5	50	1.3	0.005	150	55	150	SMA(DO-214AC)
RS2DA	200	1.5	50	1.3	0.005	150	55	150	SMA(DO-214AC)
RS2GA	400	1.5	50	1.3	0.005	150	55	150	SMA(DO-214AC)
RS2JA	600	1.5	50	1.3	0.005	250	55	150	SMA(DO-214AC)
RS2KA	800	1.5	50	1.3	0.005	500	55	150	SMA(DO-214AC)
RS2MA	1000	1.5	50	1.3	0.005	500	55	150	SMA(DO-214AC)
RS2A	50	2	50	1.3	0.005	150	55	150	SMB(DO-214AA)
RS2B	100	2	50	1.3	0.005	150	55	150	SMB(DO-214AA)
RS2D	200	2	50	1.3	0.005	150	55	150	SMB(DO-214AA)
RS2G	400	2	50	1.3	0.005	150	55	150	SMB(DO-214AA)
RS2J	600	2	50	1.3	0.005	250	55	150	SMB(DO-214AA)
RS2K	800	2	50	1.3	0.005	500	55	150	SMB(DO-214AA)
RS2M	1000	2	50	1.3	0.005	500	55	150	SMB(DO-214AA)
RS3A	50	3	100	1.3	0.010	150	50	150	SMC(DO-214AB)
RS3B	100	3	100	1.3	0.010	150	50	150	SMC(DO-214AB)
RS3D	200	3	100	1.3	0.010	150	50	150	SMC(DO-214AB)
RS3G	400	3	100	1.3	0.010	150	50	150	SMC(DO-214AB)
RS3J	600	3	100	1.3	0.010	250	50	150	SMC(DO-214AB)
RS3K	800	3	100	1.3	0.010	500	50	150	SMC(DO-214AB)
RS3M	1000	3	100	1.3	0.010	500	50	150	SMC(DO-214AB)

FAST RECOVERY RECTIFIERS

Part No.	V_{RM} (V)	Io (A)	I_{FSM} (A)	V_F (V) max T_A=25ºC	I_R (mA) max. T_A=25ºC	trr (ns)	Typical $R\theta_{JA}$(ºC/W)	T_j (ºC)	Package
F1T1	50	1	30	1.2	0.005	150	100	150	TS-1
F1T2	100	1	30	1.2	0.005	150	100	150	TS-1
F1T3	200	1	30	1.2	0.005	150	100	150	TS-1
F1T4	400	1	30	1.2	0.005	150	100	150	TS-1
F1T5	600	1	30	1.2	0.005	250	100	150	TS-1
F1T6	800	1	30	1.2	0.005	500	100	150	TS-1
F1T7	1000	1	30	1.2	0.005	500	100	150	TS-1
FR101S	50	1	30	1.2	0.005	150	90	150	A-405
FR102S	100	1	30	1.2	0.005	150	90	150	A-405
FR103S	200	1	30	1.2	0.005	150	90	150	A-405
FR104S	400	1	30	1.2	0.005	150	90	150	A-405
FR105S	600	1	30	1.2	0.005	250	90	150	A-405
FR106S	800	1	30	1.2	0.005	500	90	150	A-405
FR107S	1000	1	30	1.2	0.005	500	90	150	A-405
1N4933	50	1	30	1.2	0.005	200	65	150	DO-41
1N4934	100	1	30	1.2	0.005	200	65	150	DO-41
1N4935	200	1	30	1.2	0.005	200	65	150	DO-41
1N4936	400	1	30	1.2	0.005	200	65	150	DO-41
1N4937	600	1	30	1.2	0.005	200	65	150	DO-41
BA157	400	1	30	1.2	0.005	150	65	150	DO-41
BA158	600	1	30	1.2	0.005	150	65	150	DO-41
BA159	1000	1	30	1.2	0.005	250	65	150	DO-41
FR101	50	1	30	1.2	0.005	150	65	150	DO-41
FR102	100	1	30	1.2	0.005	150	65	150	DO-41
FR103	200	1	30	1.2	0.005	150	65	150	DO-41
FR104	400	1	30	1.2	0.005	150	65	150	DO-41
FR105	600	1	30	1.2	0.005	250	65	150	DO-41
FR106	800	1	30	1.2	0.005	500	65	150	DO-41
FR107	1000	1	30	1.2	0.005	500	65	150	DO-41
FR151S	50	1.5	50	1.2	0.005	150	60	150	DO-41
FR152S	100	1.5	50	1.2	0.005	150	60	150	DO-41
FR153S	200	1.5	50	1.2	0.005	150	60	150	DO-41
FR154S	400	1.5	50	1.2	0.005	150	60	150	DO-41
FR155S	600	1.5	50	1.2	0.005	250	60	150	DO-41
FR156S	800	1.5	50	1.2	0.005	500	60	150	DO-41
FR157S	1000	1.5	50	1.2	0.005	500	60	150	DO-41
FR151	50	1.5	50	1.2	0.005	150	60	150	DO-15
FR152	100	1.5	50	1.2	0.005	150	60	150	DO-15
FR153	200	1.5	50	1.2	0.005	150	60	150	DO-15
FR154	400	1.5	50	1.2	0.005	150	60	150	DO-15
FR155	600	1.5	50	1.2	0.005	250	60	150	DO-15
FR156	800	1.5	50	1.2	0.005	500	60	150	DO-15

FAST RECOVERY RECTIFIERS

Part No.	V_{RM} (V)	Io (A)	I_{FSM} (A)	V_F (V) max T_A=25ºC	I_R (mA) max. T_A=25ºC	trr (ns)	Typical $R\theta_{JA}$(ºC/W)	T_j (ºC)	Package
FR157	1000	1.5	50	1.2	0.005	500	60	150	DO-15
FR201	50	2	60	1.2	0.005	150	60	150	DO-15
FR202	100	2	60	1.2	0.005	150	60	150	DO-15
FR203	200	2	60	1.2	0.005	150	60	150	DO-15
FR204	400	2	60	1.2	0.005	150	60	150	DO-15
FR205	600	2	60	1.2	0.005	250	60	150	DO-15
FR206	800	2	60	1.2	0.005	500	60	150	DO-15
FR207	1000	2	60	1.2	0.005	500	60	150	DO-15
FR301	50	3	150	1.2	0.005	150	40	150	DO-201AD
FR302	100	3	150	1.2	0.005	150	40	150	DO-201AD
FR303	200	3	150	1.2	0.005	150	40	150	DO-201AD
FR304	400	3	150	1.2	0.005	150	40	150	DO-201AD
FR305	600	3	150	1.2	0.005	250	40	150	DO-201AD
FR306	800	3	150	1.2	0.005	500	40	150	DO-201AD
FR307	1000	3	150	1.2	0.005	500	40	150	DO-201AD

GLASS PASSIVATED FAST RECOVERY RECTIFIERS

Part No.	V_{RM} (V)	Io (A)	I_{FSM} (A)	V_F (V) max T_A=25ºC	I_R (mA) max. T_A=25ºC	trr (ns)	Typical $R\theta_{JA}$(ºC/W)	T_j (ºC)	Package
F1T1G	50	1	30	1.3	0.005	150	90	150	TS-1
F1T2G	100	1	30	1.3	0.005	150	90	150	TS-1
F1T3G	200	1	30	1.3	0.005	150	90	150	TS-1
F1T4G	400	1	30	1.3	0.005	150	90	150	TS-1
F1T5G	600	1	30	1.3	0.005	250	90	150	TS-1
F1T6G	800	1	30	1.3	0.005	500	90	150	TS-1
F1T7G	1000	1	30	1.3	0.005	500	90	150	TS-1
FR101SG	50	1	30	1.3	0.005	150	75	150	A-405
FR102SG	100	1	30	1.3	0.005	150	75	150	A-405
FR103SG	200	1	30	1.3	0.005	150	75	150	A-405
FR104SG	400	1	30	1.3	0.005	150	75	150	A-405
FR105SG	600	1	30	1.3	0.005	250	75	150	A-405
FR106SG	800	1	30	1.3	0.005	500	75	150	A-405
FR107SG	1000	1	30	1.3	0.005	500	75	150	A-405
1N4933G	50	1	30	1.2	0.005	200	65	150	DO-41
1N4934G	100	1	30	1.2	0.005	200	65	150	DO-41
1N4935G	200	1	30	1.2	0.005	200	65	150	DO-41
1N4936G	400	1	30	1.2	0.005	200	65	150	DO-41
1N4937G	600	1	30	1.2	0.005	200	65	150	DO-41
BA157G	400	1	30	1.2	0.005	150	60	150	DO-41
BA158G	600	1	30	1.2	0.005	150	60	150	DO-41
BA159G	1000	1	30	1.2	0.005	250	60	150	DO-41
FR101G	50	1	30	1.3	0.005	150	70	150	DO-41
FR102G	100	1	30	1.3	0.005	150	70	150	DO-41
FR103G	200	1	30	1.3	0.005	150	70	150	DO-41
FR104G	400	1	30	1.3	0.005	150	70	150	DO-41
FR105G	600	1	30	1.3	0.005	250	70	150	DO-41
FR106G	800	1	30	1.3	0.005	500	70	150	DO-41
FR107G	1000	1	30	1.3	0.005	500	70	150	DO-41
FR151G	50	1.5	50	1.3	0.005	150	60	150	DO-15
FR152G	100	1.5	50	1.3	0.005	150	60	150	DO-15
FR153G	200	1.5	50	1.3	0.005	150	60	150	DO-15
FR154G	400	1.5	50	1.3	0.005	150	60	150	DO-15
FR155G	600	1.5	50	1.3	0.005	250	60	150	DO-15
FR156G	800	1.5	50	1.3	0.005	500	60	150	DO-15
FR157G	1000	1.5	50	1.3	0.005	500	60	150	DO-15
FR201G	50	2	55	1.3	0.005	150	60	150	DO-15
FR202G	100	2	55	1.3	0.005	150	60	150	DO-15
FR203G	200	2	55	1.3	0.005	150	60	150	DO-15
FR204G	400	2	55	1.3	0.005	150	60	150	DO-15
FR205G	600	2	55	1.3	0.005	250	60	150	DO-15
FR206G	800	2	55	1.3	0.005	500	60	150	DO-15

GLASS PASSIVATED FAST RECOVERY RECTIFIERS

Part No.	V_{RM} (V)	Io (A)	I_{FSM} (A)	V_F (V) max T_A=25ºC	I_R (mA) max. T_A=25ºC	trr (ns)	Typical $R\theta_{JA}$(ºC/W)	T_j (ºC)	Package
FR207G	1000	2	55	1.3	0.005	500	60	150	DO-15
FR301G	50	3	125	1.3	0.005	150	35	150	DO-201AD
FR302G	100	3	125	1.3	0.005	150	35	150	DO-201AD
FR303G	200	3	125	1.3	0.005	150	35	150	DO-201AD
FR304G	400	3	125	1.3	0.005	150	35	150	DO-201AD
FR305G	600	3	125	1.3	0.005	250	35	150	DO-201AD
FR306G	800	3	125	1.3	0.005	500	35	150	DO-201AD
FR307G	1000	3	125	1.3	0.005	500	35	150	DO-201AD

SURFACE MOUNT GLASS PASSIVATED GENERAL PURPOSE RECTIFIERS

Part No.	V_{RM} (V)	Io (A)	I_{FSM} (A)	V_F (V) max T_A=25ºC	I_R (mA) max. T_A=25ºC	Typical $R\theta_{JA}$(ºC/W)	T_j (ºC)	Package
S1AL	50	1	30	1.1	0.005	85	175	SUB SMA
S1BL	100	1	30	1.1	0.005	85	175	SUB SMA
S1DL	200	1	30	1.1	0.005	85	175	SUB SMA
S1GL	400	1	30	1.1	0.005	85	175	SUB SMA
S1JL	600	1	30	1.1	0.005	85	175	SUB SMA
S1KL	800	1	30	1.1	0.005	85	175	SUB SMA
S1ML	1000	1	30	1.1	0.005	85	175	SUB SMA
LL4001G	50	1	30	1.1	0.005	50	150	MELF
LL4002G	100	1	30	1.1	0.005	50	150	MELF
LL4003G	200	1	30	1.1	0.005	50	150	MELF
LL4004G	400	1	30	1.1	0.005	50	150	MELF
LL4005G	600	1	30	1.1	0.005	50	150	MELF
LL4006G	800	1	30	1.1	0.005	50	150	MELF
LL4007G	1000	1	30	1.1	0.005	50	150	MELF
S1A	50	1	40	1.1	0.001	75	175	SMA(DO-214AC)
S1B	100	1	40	1.1	0.001	75	175	SMA(DO-214AC)
S1D	200	1	40	1.1	0.001	75	175	SMA(DO-214AC)
S1G	400	1	40	1.1	0.001	75	175	SMA(DO-214AC)
S1J	600	1	40	1.1	0.001	75	175	SMA(DO-214AC)
S1K	800	1	40	1.1	0.001	85	175	SMA(DO-214AC)
S1M	1000	1	30	1.1	0.001	85	175	SMA(DO-214AC)
S1AB	50	1	30	1.1	0.005	30 ($R\theta JL$)	150	SMB(DO-214AA)
S1BB	100	1	30	1.1	0.005	30 ($R\theta JL$)	150	SMB(DO-214AA)
S1DB	200	1	30	1.1	0.005	30 ($R\theta JL$)	150	SMB(DO-214AA)
S1GB	400	1	30	1.1	0.005	30 ($R\theta JL$)	150	SMB(DO-214AA)
S1JB	600	1	30	1.1	0.005	30 ($R\theta JL$)	150	SMB(DO-214AA)
S1KB	800	1	30	1.1	0.005	30 ($R\theta JL$)	150	SMB(DO-214AA)
S1MB	1000	1	30	1.1	0.005	30 ($R\theta JL$)	150	SMB(DO-214AA)
S2AA	50	1.5	50	1.1	0.005	53	150	SMA(DO-214AC)
S2BA	100	1.5	50	1.1	0.005	53	150	SMA(DO-214AC)
S2DA	200	1.5	50	1.1	0.005	53	150	SMA(DO-214AC)
S2GA	400	1.5	50	1.1	0.005	53	150	SMA(DO-214AC)
S2JA	600	1.5	50	1.1	0.005	53	150	SMA(DO-214AC)
S2KA	800	1.5	50	1.1	0.005	53	150	SMA(DO-214AC)
S2MA	1000	1.5	50	1.1	0.005	53	150	SMA(DO-214AC)
S2A	50	2	50	1.15	0.001	53	150	SMB(DO-214AA)
S2B	100	2	50	1.15	0.001	53	150	SMB(DO-214AA)
S2D	200	2	50	1.15	0.001	53	150	SMB(DO-214AA)
S2G	400	2	50	1.15	0.001	53	150	SMB(DO-214AA)
S2J	600	2	50	1.15	0.001	53	150	SMB(DO-214AA)

SURFACE MOUNT GLASS PASSIVATED GENERAL PURPOSE RECTIFIERS

Part No.	V_{RM} (V)	Io (A)	I_{FSM} (A)	V_F (V) max T_A=25ºC	I_R (mA) max. T_A=25ºC	Typical $R\theta_{JA}$(ºC/W)	T_j (ºC)	Package
S2K	800	2	50	1.15	0.001	53	150	SMB(DO-214AA)
S2M	1000	2	50	1.15	0.001	53	150	SMB(DO-214AA)
S3AB	50	3	80	1.15	0.010	10 (RθJL)	150	SMB(DO-214AA)
S3BB	100	3	80	1.15	0.010	10 (RθJL)	150	SMB(DO-214AA)
S3DB	200	3	80	1.15	0.010	10 (RθJL)	150	SMB(DO-214AA)
S3GB	400	3	80	1.15	0.010	10 (RθJL)	150	SMB(DO-214AA)
S3JB	600	3	80	1.15	0.010	10 (RθJL)	150	SMB(DO-214AA)
S3KB	800	3	80	1.15	0.010	10 (RθJL)	150	SMB(DO-214AA)
S3MB	1000	3	80	1.15	0.010	10 (RθJL)	150	SMB(DO-214AA)
S3A	50	3	100	1.15	0.010	47	150	SMC(DO-214AB)
S3B	100	3	100	1.15	0.010	47	150	SMC(DO-214AB)
S3D	200	3	100	1.15	0.010	47	150	SMC(DO-214AB)
S3G	400	3	100	1.15	0.010	47	150	SMC(DO-214AB)
S3J	600	3	100	1.15	0.010	47	150	SMC(DO-214AB)
S3K	800	3	100	1.15	0.010	47	150	SMC(DO-214AB)
S3M	1000	3	100	1.15	0.010	47	150	SMC(DO-214AB)
S4A	50	4	100	1.15	0.010	47	150	SMC(DO-214AB)
S4B	100	4	100	1.15	0.010	47	150	SMC(DO-214AB)
S4D	200	4	100	1.15	0.010	47	150	SMC(DO-214AB)
S4G	400	4	100	1.15	0.010	47	150	SMC(DO-214AB)
S4J	600	4	100	1.15	0.010	47	150	SMC(DO-214AB)
S4K	800	4	100	1.15	0.010	47	150	SMC(DO-214AB)
S4M	1000	4	100	1.15	0.010	47	150	SMC(DO-214AB)
S5A	50	5	100	1.15	0.010	47	150	SMC(DO-214AB)
S5B	100	5	100	1.15	0.010	47	150	SMC(DO-214AB)
S5D	200	5	100	1.15	0.010	47	150	SMC(DO-214AB)
S5G	400	5	100	1.15	0.010	47	150	SMC(DO-214AB)
S5J	600	5	100	1.15	0.010	47	150	SMC(DO-214AB)
S5K	800	5	100	1.15	0.010	47	150	SMC(DO-214AB)
S5M	1000	5	100	1.15	0.010	47	150	SMC(DO-214AB)
GPAS1001	50	10	150	1.1	0.005	2.5	150	D^2PAK
GPAS1002	100	10	150	1.1	0.005	2.5	150	D^2PAK
GPAS1003	200	10	150	1.1	0.005	2.5	150	D^2PAK
GPAS1004	400	10	150	1.1	0.005	2.5	150	D^2PAK
GPAS1005	600	10	150	1.1	0.005	2.5	150	D^2PAK
GPAS1006	800	10	150	1.1	0.005	2.5	150	D^2PAK
GPAS1007	1000	10	150	1.1	0.005	2.5	150	D^2PAK

BUTTON RECTIFIERS

Part No.	V_{RM} (V)	Io (A)	I_{FSM} (A)	V_F (V) max T_A=25ºC	I_R (mA) max. T_A=25ºC	Typical $R\theta_{JC}$(ºC/W)	T_j (ºC)	Package
AR25A	50	25	400	1	0.005	1	150	AR
AR25B	100	25	400	1	0.005	1	150	AR
AR25D	200	25	400	1	0.005	1	150	AR
AR25G	400	25	400	1	0.005	1	150	AR
AR25J	600	25	400	1	0.005	1	150	AR
AR25K	800	25	400	1	0.005	1	150	AR
AR25M	1000	25	400	1	0.005	1	150	AR
ARS25A	50	25	400	1	0.005	1	150	ARS
ARS25B	100	25	400	1	0.005	1	150	ARS
ARS25D	200	25	400	1	0.005	1	150	ARS
ARS25G	400	25	400	1	0.005	1	150	ARS
ARS25J	600	25	400	1	0.005	1	150	ARS
ARS25K	800	25	400	1	0.005	1	150	ARS
ARS25M	1000	25	400	1	0.005	1	150	ARS
AR35A	50	35	500	1	0.005	1	150	AR
AR35B	100	35	500	1	0.005	1	150	AR
AR35D	200	35	500	1	0.005	1	150	AR
AR35G	400	35	500	1	0.005	1	150	AR
AR35J	600	35	500	1	0.005	1	150	AR
AR35K	800	35	500	1	0.005	1	150	AR
AR35M	1000	35	500	1	0.005	1	150	AR
ARS35A	50	35	500	1	0.005	1	150	ARS
ARS35B	100	35	500	1	0.005	1	150	ARS
ARS35D	200	35	500	1	0.005	1	150	ARS
ARS35G	400	35	500	1	0.005	1	150	ARS
ARS35J	600	35	500	1	0.005	1	150	ARS
ARS35K	800	35	500	1	0.005	1	150	ARS
ARS35M	1000	35	500	1	0.005	1	150	ARS
AR50A	50	50	500	1.1	0.005	1	150	AR
AR50B	100	50	500	1.1	0.005	1	150	AR
AR50D	200	50	500	1.1	0.005	1	150	AR
AR50G	400	50	500	1.1	0.005	1	150	AR
AR50J	600	50	500	1.1	0.005	1	150	AR
AR50K	800	50	500	1.1	0.005	1	150	AR
AR50M	1000	50	500	1.1	0.005	1	150	AR
ARS50A	50	50	500	1.1	0.005	1	150	ARS
ARS50B	100	50	500	1.1	0.005	1	150	ARS
ARS50D	200	50	500	1.1	0.005	1	150	ARS
ARS50G	400	50	500	1.1	0.005	1	150	ARS
ARS50J	600	50	500	1.1	0.005	1	150	ARS
ARS50K	800	50	500	1.1	0.005	1	150	ARS
ARS50M	1000	50	500	1.1	0.005	1	150	ARS

GLASS PASSIVATED GENERAL PURPOSE RECTIFIERS

Part No.	V_{RM}	Io	I_{FSM}	V_F (V) max	I_R (mA) max.	Typical	T_j	Package
	(V)	(A)	(A)	T_A=25ºC	T_A=25ºC	$R\theta_{JC}$(ºC/W)	(ºC)	
GPA801	50	8	150	1.1	0.005	2.5	150	TO-220AC
GPA802	100	8	150	1.1	0.005	2.5	150	TO-220AC
GPA803	200	8	150	1.1	0.005	2.5	150	TO-220AC
GPA804	400	8	150	1.1	0.005	2.5	150	TO-220AC
GPA805	600	8	150	1.1	0.005	2.5	150	TO-220AC
GPA806	800	8	150	1.1	0.005	2.5	150	TO-220AC
GPA807	1000	8	150	1.1	0.005	2.5	150	TO-220AC
GP1001	50	10	125	1.1	0.005	3	150	TO-220AB
GP1002	100	10	125	1.1	0.005	3	150	TO-220AB
GP1003	200	10	125	1.1	0.005	3	150	TO-220AB
GP1004	400	10	125	1.1	0.005	3	150	TO-220AB
GP1005	600	10	125	1.1	0.005	3	150	TO-220AB
GP1006	800	10	125	1.1	0.005	3	150	TO-220AB
GP1007	1000	10	125	1.1	0.005	3	150	TO-220AB
GP1601	50	16	150	1.1	0.010	1.5	150	TO-220AB
GP1602	100	16	150	1.1	0.010	1.5	150	TO-220AB
GP1603	200	16	150	1.1	0.010	1.5	150	TO-220AB
GP1604	400	16	150	1.1	0.010	1.5	150	TO-220AB
GP1605	600	16	150	1.1	0.010	1.5	150	TO-220AB
GP1606	800	16	150	1.1	0.010	1.5	150	TO-220AB
GP1607	1000	16	150	1.1	0.010	1.5	150	TO-220AB

TAIWAN SEMICONDUCTOR
The Smartest Choice

GLASS PASSIVATED GENERAL PURPOSE RECTIFIERS

Part No.	V_{RM}	Io	I_{FSM}	V_F (V) max	I_R (mA) max.	Typical	T_j	Package
	(V)	(A)	(A)	T_A=25ºC	T_A=25ºC	$R\theta_{JA}$(ºC/W)	(ºC)	
1T1G	50	1	30	1.1	0.005	100	150	TS-1
1T2G	100	1	30	1.1	0.005	100	150	TS-1
1T3G	200	1	30	1	0.005	100	150	TS-1
1T4G	400	1	30	1	0.005	100	150	TS-1
1T5G	600	1	30	1	0.005	100	150	TS-1
1T6G	800	1	30	1	0.005	100	150	TS-1
1T7G	1000	1	30	1	0.005	100	150	TS-1
1N4001SG	50	1	30	1	0.005	80	150	A-405
1N4002SG	100	1	30	1	0.005	80	150	A-405
1N4003SG	200	1	30	1	0.005	80	150	A-405
1N4004SG	400	1	30	1	0.005	80	150	A-405
1N4005SG	600	1	30	1	0.005	80	150	A-405
1N4006SG	800	1	30	1	0.005	80	150	A-405
1N4007SG	1000	1	30	1	0.005	80	150	A-405
1N4001G	50	1	30	1	0.005	80	150	DO-41
1N4002G	100	1	30	1	0.005	80	150	DO-41
1N4003G	200	1	30	1	0.005	80	150	DO-41
1N4004G	400	1	30	1	0.005	80	150	DO-41
1N4005G	600	1	30	1	0.005	80	150	DO-41
1N4006G	800	1	30	1	0.005	80	150	DO-41
1N4007G	1000	1	30	1	0.005	80	150	DO-41
1N5391G	50	1.5	50	1.1	0.005	65	150	DO-15
1N5392G	100	1.5	50	1.1	0.005	65	150	DO-15
1N5393G	200	1.5	50	1	0.005	65	150	DO-15
1N5395G	400	1.5	50	1	0.005	65	150	DO-15
1N5397G	600	1.5	50	1	0.005	65	150	DO-15
1N5398G	800	1.5	50	1	0.005	65	150	DO-15
1N5399G	1000	1.5	50	1	0.005	65	150	DO-15
2A01G	50	2	55	1.1	0.005	60	150	DO-15
2A02G	100	2	55	1.1	0.005	60	150	DO-15
2A03G	200	2	55	1	0.005	60	150	DO-15
2A04G	400	2	55	1	0.005	60	150	DO-15
2A05G	600	2	55	1	0.005	60	150	DO-15
2A06G	800	2	55	1	0.005	60	150	DO-15
2A07G	1000	2	55	1	0.005	60	150	DO-15
1N5400G	50	3	125	1.1	0.005	45	150	DO-201AD
1N5401G	100	3	125	1.1	0.005	45	150	DO-201AD
1N5402G	200	3	125	1	0.005	45	150	DO-201AD
1N5404G	400	3	125	1	0.005	45	150	DO-201AD
1N5406G	600	3	125	1	0.005	45	150	DO-201AD
1N5407G	800	3	125	1	0.005	45	150	DO-201AD
1N5408G	1000	3	125	1	0.005	45	150	DO-201AD

GLASS PASSIVATED GENERAL PURPOSE RECTIFIERS

Part No.	V_{RM} (V)	Io (A)	I_{FSM} (A)	V_F (V) max T_A=25ºC	I_R (mA) max. T_A=25ºC	Typical $R\theta_{JA}$(ºC/W)	T_j (ºC)	Package
6A05G	50	6	250	1.1	0.010	35	150	R-6
6A10G	100	6	250	1.1	0.010	35	150	R-6
6A20G	200	6	250	1	0.010	35	150	R-6
6A40G	400	6	250	1	0.010	35	150	R-6
6A60G	600	6	250	1	0.010	35	150	R-6
6A80G	800	6	250	1	0.010	35	150	R-6
6A100G	1000	6	250	1	0.010	35	150	R-6

TAIWAN SEMICONDUCTOR
The Smartest Choice

GENERAL PURPOSE RECTIFIERS

Part No.	V_{RM} (V)	Io (A)	I_{FSM} (A)	V_F (V) max T_A=25ºC	I_R (mA) max. T_A=25ºC	Typical $R\theta_{JA}$(ºC/W)	T_j (ºC)	Package
1T1	50	1	30	1	0.005	50	150	TS-1
1T2	100	1	30	1	0.005	50	150	TS-1
1T3	200	1	30	1	0.005	50	150	TS-1
1T4	400	1	30	1	0.005	50	150	TS-1
1T5	600	1	30	1	0.005	50	150	TS-1
1T6	800	1	30	1	0.005	50	150	TS-1
1T7	1000	1	30	1	0.005	50	150	TS-1
1N4001S	50	1	30	1	0.005	50	150	A-405
1N4002S	100	1	30	1	0.005	50	150	A-405
1N4003S	200	1	30	1	0.005	50	150	A-405
1N4004S	400	1	30	1	0.005	50	150	A-405
1N4005S	600	1	30	1	0.005	50	150	A-405
1N4006S	800	1	30	1	0.005	50	150	A-405
1N4007S	1000	1	30	1	0.005	50	150	A-405
1N4001	50	1	30	1	0.005	65	150	DO-41
1N4002	100	1	30	1	0.005	65	150	DO-41
1N4003	200	1	30	1	0.005	65	150	DO-41
1N4004	400	1	30	1	0.005	65	150	DO-41
1N4005	600	1	30	1	0.005	65	150	DO-41
1N4006	800	1	30	1	0.005	65	150	DO-41
1N4007	1000	1	30	1	0.005	65	150	DO-41
1N5391	50	1.5	50	1.1	0.005	60	150	DO-15
1N5392	100	1.5	50	1	0.005	60	150	DO-15
1N5393	200	1.5	50	1	0.005	60	150	DO-15
1N5395	400	1.5	50	1	0.005	60	150	DO-15
1N5397	600	1.5	50	1	0.005	60	150	DO-15
1N5398	800	1.5	50	1	0.005	60	150	DO-15
1N5399	1000	1.5	50	1	0.005	60	150	DO-15
1N5391S	50	1.5	50	1.1	0.005	65	150	DO-41
1N5392S	100	1.5	50	1	0.005	65	150	DO-41
1N5393S	200	1.5	50	1	0.005	65	150	DO-41
1N5395S	400	1.5	50	1	0.005	65	150	DO-41
1N5397S	600	1.5	50	1	0.005	65	150	DO-41
1N5398S	800	1.5	50	1	0.005	65	150	DO-41
1N5399S	1000	1.5	50	1	0.005	65	150	DO-41
2A01	50	2	60	1	0.005	60	150	DO-15
2A02	100	2	60	1	0.005	60	150	DO-15
2A03	200	2	60	1	0.005	60	150	DO-15
2A04	400	2	60	1	0.005	60	150	DO-15
2A05	600	2	60	1	0.005	60	150	DO-15
2A06	800	2	60	1	0.005	60	150	DO-15
2A07	1000	2	60	1	0.005	60	150	DO-15

GENERAL PURPOSE RECTIFIERS

Part No.	V_{RM}	Io	I_{FSM}	V_F (V) max	I_R (mA) max.	Typical	T_j	Package
	(V)	(A)	(A)	T_A=25ºC	T_A=25ºC	$R\theta_{JA}$(ºC/W)	(ºC)	
1N5400	50	3	200	1	0.005	40	150	DO-201AD
1N5401	100	3	200	1	0.005	40	150	DO-201AD
1N5402	200	3	200	1	0.005	40	150	DO-201AD
1N5404	400	3	200	1	0.005	40	150	DO-201AD
1N5406	600	3	200	1	0.005	40	150	DO-201AD
1N5407	800	3	200	1	0.005	40	150	DO-201AD
1N5408	1000	3	200	1	0.005	40	150	DO-201AD
BY251	200	3	150	1	0.005	40	150	DO-201AD
BY252	400	3	150	1	0.005	40	150	DO-201AD
BY253	600	3	150	1	0.005	40	150	DO-201AD
BY254	800	3	150	1	0.005	40	150	DO-201AD
6A05	50	6	250	0.95	0.010	35	150	R-6
6A10	100	6	250	0.95	0.010	35	150	R-6
6A20	200	6	250	0.95	0.010	35	150	R-6
6A40	400	6	250	0.95	0.010	35	150	R-6
6A60	600	6	250	0.95	0.010	35	150	R-6
6A80	800	6	250	0.95	0.010	35	150	R-6
6A100	1000	6	250	0.95	0.010	35	150	R-6

ESD Protection Diodes & Array

Part No.	Breakdown Voltage		Test Current	Stand-Off Voltage	Max. Reverse Leakage	Max. Clamping Voltage	Peak Pulse Current	Max Temp. Coefficient	Direction	CH#	Package
	V_{BR} (Volts)		@ I_T (mA)	V_{RWM} (Volts)	I_R (uA) at V_{RWM}	Vc (Volts) at I_{PP}	I_{PP} (Amps) at Vc	of V_{BR} (%/ºC)			
	Min	Max									
TESDQ5V0	6	-	1	5	1	12.5	1	—	Bi-directional	1	0402
TESDQ5V0U	6	-	1	5	2	9.8	5	—	Uni-directional	1	0402
TESDQ5V0ULC	6	-	1	5	1	9.8	1	—	Uni-directional	1	0402
TESDE5V0	5.1	7	1	5	2	9.8	1	—	Bi-directional	1	0503
TESDE12V	13	17	1	12	2	25	1	—	Bi-directional	1	0503
TESDE24V	15	28	1	24	2	47	1	—	Bi-directional	1	0503
TESDU5V0	5.1	7	1	5	2	15	5	—	Bi-directional	1	0603
TESDU12V	13	17	1	12	2	25	1	—	Bi-directional	1	0603
TESDU24V	25	28	1	24	2	47	1	—	Bi-directional	1	0603
TESDU5V0U	6	8	1	5	2	9.8	5	—	Uni-directional	1	0603
TESDL5V0	5.1	7	1	5	2	15	5	—	Bi-directional	1	1005
TESDL12V	13	17	1	12	2	25	1	—	Bi-directional	1	1005
TESDL24V	25	28	1	24	2	47	1	—	Bi-directional	1	1005
TESDHH5V0	5.8	-	1	5	0.1	12.5	5	—	Bi-directional	1	SOD-923
TESDD5V0	6	-	1	5	1	9.8	1	—	Bi-directional	1	SOD-523
TESDD3V3U	4	-	1	3.3	200	6.5	1	—	Uni-directional	1	SOD-523
TESDD5V0U	6	-	1	5	5	9	1	—	Uni-directional	1	SOD-523
TESDD8V0U	8.5	-	1	8	5	13	1	—	Uni-directional	1	SOD-523
TESDD12VU	13.3	-	1	12	1	15	1	—	Uni-directional	1	SOD-523
TESDD15VU	16.6	-	1	15	1	20	1	—	Uni-directional	1	SOD-523
TESDD24VU	26.7	-	1	24	1	30	1	—	Uni-directional	1	SOD-523
TESD3V3U	4	-	1	3.3	40	7	1	—	Uni-directional	1	SOD-323
TESD5V0U	6	-	1	5	10	9.8	1	—	Uni-directional	1	SOD-323
TESD8V0U	8.5	-	1	8	1	13.4	1	—	Uni-directional	1	SOD-323
TESD12VU	13.3	-	1	12	1	19	1	—	Uni-directional	1	SOD-323
TESD15VU	16.7	-	1	15	1	24	1	—	Uni-directional	1	SOD-323
TESD18VU	20	-	1	18	1	29	1	—	Uni-directional	1	SOD-323
TESD24VU	26.7	-	1	24	1	43	1	—	Uni-directional	1	SOD-323
TESD36VU	40	-	1	36	1	60	1	—	Uni-directional	1	SOD-323
TESDC3V3	4	-	1	3.3	40	7	1	—	Bi-directional	1	SOD-323
TESDC5V0	6	-	1	5	10	9.8	1	—	Bi-directional	1	SOD-323
TESDC8V0	8.5	-	1	8	1	13.4	1	—	Bi-directional	1	SOD-323
TESDC12V	13.3	-	1	12	1	19	1	—	Bi-directional	1	SOD-323
TESDC15V	16.7	-	1	15	1	24	1	—	Bi-directional	1	SOD-323
TESDC18V	20	-	1	18	1	29	1	—	Bi-directional	1	SOD-323
TESDC24V	26.7	-	1	24	1	43	1	—	Bi-directional	1	SOD-323
TESDC36V	40	-	1	36	1	60	1	—	Bi-directional	1	SOD-323
TESDC5V0LP	6	-	1	5	1	12	1	—	Bi-directional	1	SOD-323
TESDI12VU	13.3	-	1	12	1	17	1	—	Uni-directional	1	SOD-123
TESDJ3V3	4	-	1	3.3	1	7	1	—	Bi-directional	1	SMF
TESDJ5V0	6	-	1	5	1	9.5	1	—	Bi-directional	1	SMF

ESD Protection Diodes & Array

Part No.	Breakdown Voltage V_{BR} (Volts) Min	Max	Test Current @ I_T (mA)	Stand-Off Voltage V_{RWM} (Volts)	Max. Reverse Leakage I_R (uA) at V_{RWM}	Max. Clamping Voltage Vc (Volts) at I_{PP}	Peak Pulse Current I_{PP} (Amps) at Vc	Max Temp. Coefficient of V_{BR} (%/ºC)	Direction	CH#	Package
TESDJ3V3LP	3.4	-	1	3.3	1	7	1	—	Bi-directional	1	SMF
TESDJ5V0LP	5.5	-	1	5	1	9.5	1	—	Bi-directional	1	SMF
TESDB5V0A	6	-	1	5	5	9.8	1	—	Bi-directional	2	SOT-143
TESDA5V0A	6	-	1	5	1	9.8	1	—	Bi-directional	2	SOT-23
TESDF5V0A	6	-	1	5	1	9.8	1	—	Bi-directional	2	SOT-23
TESDF3V3AU	4	-	1	3.3	100	6.5	1	—	Uni-directional	2	SOT-23
TESDF5V0AU	6	-	1	5	10	9.8	1	—	Uni-directional	2	SOT-23
TESDF8V0AU	8.5	-	1	8	5	13.4	1	—	Uni-directional	2	SOT-23
TESDF12VAU	13.3	-	1	12	1	19	1	—	Uni-directional	2	SOT-23
TESDF15VAU	16.7	-	1	15	1	24	1	—	Uni-directional	2	SOT-23
TESDF24VAU	26.7	-	1	24	1	43	1	—	Uni-directional	2	SOT-23
TESDF36VAU	40	-	1	36	1	51	1	—	Uni-directional	2	SOT-23
TESDFB3V0A	4	-	1	3	40	7	1	—	Bi-directional	2	SOT-23
TESDFB5V0A	6	-	1	5	10	9.8	1	—	Bi-directional	2	SOT-23
TESDFB8V0A	8.5	-	1	8	1	13.4	1	—	Bi-directional	2	SOT-23
TESDFB12VA	13.3	-	1	12	1	19	1	—	Bi-directional	2	SOT-23
TESDFB15VA	16.7	-	1	15	1	24	1	—	Bi-directional	2	SOT-23
TESDFB18VA	20	-	1	18	1	29	1	—	Bi-directional	2	SOT-23
TESDFB24VA	26.7	-	1	24	1	43	1	—	Bi-directional	2	SOT-23
TESDFB36VA	40	-	1	36	1	60	1	—	Bi-directional	2	SOT-23
TESDT5V0A	6.5	-	1	5	1	9.8	1	—	Bi-directional	4	SOT-25
TESDS5V0A	6.5	-	1	5	1	12.5	1	—	Bi-directional	4	SOT-26
TESDS5V0ALC	6.5	-	1	5	0.1	9.8	1	—	Bi-directional	4	SOT-26
TESDSC5V0AU	6	-	1	5	5	9.8	5	—	Uni-directional	5	SOT-26
TESDSC12VAU	13.3	-	1	12	1	19	5	—	Uni-directional	5	SOT-26
TESDSC15VAU	16.7	-	1	15	1	27	5	—	Uni-directional	5	SOT-26
TESDSC24VAU	26.7	-	1	24	1	40	5	—	Uni-directional	5	SOT-26
TESDV5V0A	6	-	1	5	1	15	1	—	Bi-directional	4	SOT-363
TESDVC5V0A	6	-	1	5	1	9.8	1	—	Bi-directional	5	SOT-363
TESDW3V3AU	4.5	-	1	3.3	0.5	8.5	1	—	Uni-directional	4	SOT-553
TESDW5V0AU	6	-	1	5	0.5	9.8	1	—	Uni-directional	4	SOT-553
TESDW12VAU	13.3	-	1	12	0.5	17	1	—	Uni-directional	4	SOT-553
TESDW5V0ALC	6	-	1	5	1	9.8	1	—	Bi-directional	4	SOT-553
TESDG5V0A	6	-	1	5	1	9.8	1	—	Bi-directional	2	SOT-563
TESDW4T5V0ALC	6	-	1	5	1	9.8	1	—	Bi-directional	4	SOT-563
TESDM5V0A	6	-	1	5	0.5	9.8	1	—	Bi-directional	6	MSOP-08
TESDO5V0A	6	-	1	5	1	15	1	—	Bi-directional	4	MSOP-10
TESDH5V0A	6	-	1	5	1	15	1	—	Bi-directional	4	2510P10
TESDP5V0A	6	-	1	5	1	9.8	1	—	Bi-directional	8	SOP-16
TESDKC568A5V0AU	6	-	1	5	1	9.8	1	—	Uni-directional	6	DFN4120
TESDSLVU2V8A	3	-	1	2.8	1	8.5	5	—	Bi-directional	4	SOP-08

TAIWAN SEMICONDUCTOR
The Smartest Choice

SURFACE MOUNT TRANSIENT VOLTAGE SUPPRESSORS

Series	Peak Power Dissipation at T_A= 25ºC ,Tp=1ms ppk (Watts)	Steady State Power Dissipation at TL=75ºC, Lead Length 0.375" , 9.5mm P_D (Watts)	Peak Forward Surge Current , 8.3 ms Single Half Sine-wave Superimposed on Rated Load I_{FSM} (Amps)	Package
SMAJxx(C)A	400	1	40	SMA
P4SMAxx(C)A	400	1	40	SMA
SMBJxx(C)A	600	3	100	SMB
P6SMBxx(C)A	600	3	100	SMB
SMCJxx(C)A	1500	5	200	SMC
1.5SMCxx(C)A	1500	5	200	SMC

Part No. SMAJ SMBJ SMCJ	Devices Marking Code SMAJ	SMBJ	SMCJ	Working Peak Rev. Voltage V_{WM} (Volts)	Breakdown Voltage V_{BR} (Volts) Min	Max	Test Current @ I_T (mA)	Max. Clamping Voltage at I_{PPM} Vc (Volts)	Maximum Peak Surge Current I_{PPM} (Amps) SMAJ	SMBJ	SMCJ	Max. Reverse Leakage at V_{WM} I_D (uA) SMAJ	SMBJ	SMCJ
5.0	AD	KD	GDD	5	6.4	7.3	10	9.6	41.7	65.0	164	800	800	1000
5.0A	AE	KE	GDE	5	6.4	7	10	9.2	43.5	68.0	171	800	800	1000
6.0	AF	KF	GDF	6	6.67	8.15	10	11.4	35.1	55.0	138	800	800	1000
6.0A	AG	KG	GDG	6	6.67	7.37	10	10.3	38.8	61.0	152	800	800	1000
6.5	AH	KH	GDH	6.5	7.22	8.82	10	12.3	32.5	51.0	128	500	500	500
6.5A	AK	KK	GDK	6.5	7.22	7.98	10	11.2	35.7	56.0	140	500	500	500
7.0	AL	KL	GDL	7	7.78	9.51	10	13.3	30.1	47.0	118	200	200	200
7.0A	AM	KM	GDM	7	7.78	8.6	10	12.0	33.3	52.0	131	200	200	200
7.5	AN	KN	GDN	7.5	8.33	10.30	1.0	14.3	28.0	44.0	110	100	100	100
7.5A	AP	KP	GDP	7.5	8.33	9.21	1.0	12.9	31.0	48.0	122	100	100	100
8.0	AQ	KQ	GDQ	8	8.89	10.9	1.0	15.0	26.7	42.0	105	50	50	50
8.0A	AR	KR	GDR	8	8.89	9.83	1.0	13.6	29.4	46.0	115	50	50	50
8.5	AS	KS	GDS	8.5	9.44	11.5	1.0	15.9	25.2	39.0	99	10	10	20
8.5A	AT	KT	GDT	8.5	9.44	10.4	1.0	14.4	27.8	43.0	109	10	10	20
9.0	AU	KU	GDU	9	10	12.2	1.0	16.9	23.7	37.0	93	5	5	10
9.0A	AV	KV	GDV	9	10	11.1	1.0	15.4	26.0	40.0	102	5	5	10
10	AW	KW	GDW	10	11.1	13.6	1.0	18.8	21.3	33.0	83	5	5	5
10A	AX	KX	GDX	10	11.1	12.3	1.0	17.0	23.5	37.0	92	5	5	5
11	AY	KY	GDY	11	12.2	14.9	1.0	20.1	19.9	31.0	78	5	5	5
11A	AZ	KZ	GDZ	11	12.2	13.5	1.0	18.2	22.0	34.0	86	5	5	5
12	BD	LD	GED	12	13.3	16.3	1.0	22.0	18.2	28.0	71	5	5	5
12A	BE	LE	GEE	12	13.3	14.7	1.0	19.9	20.1	31.0	79	5	5	5
13	BF	LF	GEF	13	14.4	17.6	1.0	23.8	16.8	26.0	66	5	5	5
13A	BG	LG	GEG	13	14.4	15.9	1.0	21.5	18.6	29.0	73	5	5	5
14	BH	LH	GEH	14	15.6	19.1	1.0	25.8	15.5	24.4	61	5	5	5
14A	BK	LK	GEK	14	15.6	17.2	1.0	23.2	17.2	27.0	67	5	5	5
15	BL	LL	GEL	15	16.7	20.4	1.0	26.9	14.9	23.1	58	5	5	5
15A	BM	LM	GEM	15	16.7	18.5	1.0	24.4	16.4	25.1	64	5	5	5

SURFACE MOUNT TRANSIENT VOLTAGE SUPPRESSORS

Part No. SMAJ SMBJ SMCJ	Devices Marking Code			Working Peak Rev. Voltage	Breakdown Voltage		Test Current	Max. Clamping Voltage	Maximum Peak Surge Current			Max. Reverse Leakage at V_{WM}		
	SMAJ	SMBJ	SMCJ	V_{WM} (Volts)	V_{BR} (Volts)		@ I_T (mA)	at I_{PPM} Vc (Volts)	I_{PPM} (Amps)			I_D (uA)		
					Min	Max			SMAJ	SMBJ	SMCJ	SMAJ	SMBJ	SMCJ
16	BN	LN	GEN	16	17.8	21.8	1.0	28.8	13.9	21.8	54	5	5	5
16A	BP	LP	GEP	16	17.8	19.7	1.0	26.0	15.4	24.2	60	5	5	5
17	BQ	LQ	GEQ	17	18.9	23.1	1.0	30.5	13.1	20.0	51	5	5	5
17A	BR	LR	GER	17	18.9	20.9	1.0	27.6	14.5	22.8	57	5	5	5
18	BS	LS	GES	18	20	24.4	1.0	32.2	12.4	19.5	48	5	5	5
18A	BT	LT	GET	18	20	22.1	1.0	29.2	13.7	21.5	53	5	5	5
20	BU	LU	GEU	20	22.2	27.1	1.0	35.8	11.2	17.6	43	5	5	5
20A	BV	LV	GEV	20	22.2	24.5	1.0	32.4	12.3	19.4	48	5	5	5
22	BW	LW	GEW	22	24.4	29.8	1.0	39.4	10.2	15.0	39	5	5	5
22A	BX	LX	GEX	22	24.4	26.9	1.0	35.5	11.3	17.7	44	5	5	5
24	BY	LY	GEY	24	26.7	32.6	1.0	43.0	9.3	14.6	36	5	5	5
24A	BZ	LZ	GEZ	24	26.7	29.5	1.0	38.9	10.3	16.0	40	5	5	5
26	CD	MD	GFD	26	28.9	35.3	1.0	46.6	8.6	13.5	33	5	5	5
26A	CE	ME	GFE	26	28.9	31.9	1.0	42.1	9.5	14.9	37	5	5	5
28	CF	MF	GFF	28	31.1	38	1.0	50.0	8.0	12.6	31	5	5	5
28A	CG	MG	GFG	28	31.1	34.4	1.0	45.4	8.8	13.8	34	5	5	5
30	CH	MH	GFH	30	33.3	40.7	1.0	53.5	7.5	11.7	29	5	5	5
30A	CK	MK	GFK	30	33.3	36.8	1.0	48.4	8.3	13.0	32	5	5	5
33	CL	ML	GFL	33	36.7	44.9	1.0	59.0	6.8	10.6	26	5	5	5
33A	CM	MM	GFM	33	36.7	40.6	1.0	53.3	7.5	11.8	29	5	5	5
36	CN	MN	GFN	36	40	48.9	1.0	64.3	6.2	9.8	24	5	5	5
36A	CP	MP	GFP	36	40	44.2	1.0	58.1	6.9	10.8	27	5	5	5
40	CQ	MQ	GFQ	40	44.4	54.3	1.0	71.4	5.6	8.8	22	5	5	5
40A	CR	MR	GFR	40	44.4	49.1	1.0	64.5	6.2	9.7	24	5	5	5
43	CS	MS	GFS	43	47.8	58.4	1.0	76.7	5.2	8.2	20	5	5	5
43A	CT	MT	GFT	43	47.8	52.8	1.0	69.4	5.8	9.0	22	5	5	5
45	CU	MU	GFU	45	50	61.1	1.0	80.3	5.0	7.8	19	5	5	5
45A	CV	MV	GFV	45	50	55.3	1.0	72.7	5.5	8.6	21	5	5	5
48	CW	MW	GFW	48	53.3	65.1	1.0	85.5	4.7	7.3	18	5	5	5
48A	CX	MX	GFX	48	53.3	58.9	1.0	77.4	5.2	8.1	20	5	5	5
51	CY	MY	GFY	51	56.7	69.3	1.0	91.1	4.4	6.9	17	5	5	5
51A	CZ	MZ	GFZ	51	56.7	62.7	1.0	82.4	4.9	7.6	19	5	5	5
54	RD	ND	GGD	54	60	73.3	1.0	96.3	4.2	6.5	16	5	5	5
54A	RE	NE	GGE	54	60	66.3	1.0	87.1	4.6	7.2	18	5	5	5
58	RF	NF	GGF	58	64.4	78.7	1.0	103	3.9	6.1	15	5	5	5
58A	RG	NG	GGG	58	64.4	71.2	1.0	93.6	4.3	6.7	16	5	5	5
60	RH	NH	GGH	60	66.7	81.5	1.0	107	3.7	5.8	14	5	5	5
60A	RK	NK	GGK	60	66.7	73.7	1.0	96.8	4.1	6.5	16	5	5	5
64	RL	NL	GGL	64	71.1	86.9	1.0	114	3.5	5.5	13.8	5	5	5
64A	RM	NM	GGM	64	71.1	78.6	1.0	103	3.9	6.1	15	5	5	5

SURFACE MOUNT TRANSIENT VOLTAGE SUPPRESSORS

Part No. SMAJ SMBJ SMCJ	Devices Marking Code			Working Peak Rev. Voltage	Breakdown Voltage		Test Current	Max. Clamping Voltage	Maximum Peak Surge Current			Max. Reverse Leakage at V_{WM}		
	SMAJ	SMBJ	SMCJ	V_{WM} (Volts)	V_{BR} (Volts)		@ I_T (mA)	at I_{PPM} Vc (Volts)	I_{PPM} (Amps)			I_D (uA)		
					Min	Max			SMAJ	SMBJ	SMCJ	SMAJ	SMBJ	SMCJ
70	RN	NN	GGN	70	77.8	95.1	1.0	125	3.2	5.0	12.6	5	5	5
70A	RP	NP	GGP	70	77.8	86	1.0	113	3.5	5.5	13.9	5	5	5
75	RQ	NQ	GGQ	75	83.3	102	1.0	134	3.0	4.7	11.7	5	5	5
75A	RR	NR	GGR	75	83.3	92.1	1.0	121	3.3	5.2	13	5	5	5
78	RS	NS	GGS	78	86.7	106	1.0	139	2.9	4.5	11.3	5	5	5
78A	RT	NT	GGT	78	86.7	95.8	1.0	126	3.2	5.0	12.5	5	5	5
85	RU	NU	GGU	85	94.4	115	1.0	151	2	4.1	10.4	5	5	5
85A	RV	NV	GGV	85	94.4	104	1.0	137	2.2	4.6	11.5	5	5	5
90	RW	NW	GGW	90	100	122	1.0	160	1.9	3.9	9.8	5	5	5
90A	RX	NX	GGX	90	100	111	1.0	146	2.1	4.3	10.7	5	5	5
100	RY	NY	GGY	100	111	136	1.0	179	1.7	3.5	8.8	5	5	5
100A	RZ	NZ	GGZ	100	111	123	1.0	162	1.9	3.8	9.7	5	5	5
110	SD	PD	GHD	110	122	149	1.0	196	1.6	3.2	8	5	5	5
110A	SE	PE	GHE	110	122	135	1.0	177	1.7	3.5	8.9	5	5	5
120	SF	PF	GHF	120	133	163	1.0	214	1.4	2.9	7.3	5	5	5
120A	SG	PG	GHG	120	133	147	1.0	193	1.6	3.2	8.1	5	5	5
130	SH	PH	GHH	130	144	176	1.0	231	1.3	2.7	6.8	5	5	5
130A	SK	PK	GHK	130	144	159	1.0	209	1.5	3.0	7.5	5	5	5
150	SL	PL	GHL	150	167	204	1.0	266	1.1	2.3	5.8	5	5	5
150A	SM	PM	GHM	150	167	185	1.0	243	1.3	2.5	6.4	5	5	5
160	SN	PN	GHN	160	178	218	1.0	287	1	2.2	5.4	5	5	5
160A	SP	PP	GHP	160	178	197	1.0	259	1.2	2.4	6	5	5	5
170	SQ	PQ	GHQ	170	189	231	1.0	304	1	2.0	5.1	5	5	5
170A	SR	PR	GHR	170	189	209	1.0	275	1.1	2.2	5.7	5	5	5
188	ST	—	—	188	209	255	1.0	344	0.9	—	—	5	—	—
188A	SS	—	—	188	209	231	1.0	328	0.91	—	—	5	—	—
200A	SV	—	—	200	224	247	1.0	324	1.2	—	—	1	—	—
220A	SX	—	—	220	246	272	1.0	356	1.1	—	—	1	—	—
250A	SZ	—	—	250	279	309	1.0	405	1	—	—	1	—	—
300A	TE	—	—	300	335	371	1.0	486	0.8	—	—	1	—	—
350A	TG	—	—	350	391	432	1.0	567	0.7	—	—	1	—	—
400A	TK	—	—	400	447	494	1.0	648	0.6	—	—	1	—	—

SURFACE MOUNT TRANSIENT VOLTAGE SUPPRESSORS

Part No. P4SMA P6SMB 1.5SMC	Devices Marking Code			Stand-Off Voltage	Breakdown Voltage		Test Current	Max. Clamping Voltage	Maximum Peak Pulse Current			Max. Reverse Leakage	Max Temp. Coefficient
	P4 SMA	P6 SMB	1.5 SMC	V_{WM} (Volts)	V_{BR} (Volts) Min	Max	@ I_T (mA)	at I_{PPM} Vc (Volts)	I_{PPM} (Amps) P4SMA	P6SMB	1.5SMC	at V_{WM} I_D (uA)	of V_{BR} (%/ºC)
6.8	ADJ	KDJ	DDJ	5.50	6.12	7.48	10	10.8	38.0	58	145	1000	0.057
6.8A	AEJ	KEJ	DEJ	5.80	6.46	7.14	10	10.5	40.0	60	150	1000	0.057
7.5	AFJ	KFJ	DFJ	6.05	6.75	8.25	10	11.7	35.0	53	134	500	0.061
7.5A	AGJ	KGJ	DGJ	6.40	7.13	7.88	10	11.3	37.0	55	139	500	0.061
8.2	AHJ	KHJ	DHJ	6.63	7.38	9.02	10	12.5	33.0	50	126	200	0.065
8.2A	AKJ	KKJ	DKJ	7.02	7.79	8.61	10	12.1	34.0	52	130	200	0.065
9.1	ALJ	KLJ	DLJ	7.37	8.19	10.00	1.0	13.8	30.0	45	114	50	0.068
9.1A	AMJ	KMJ	DMJ	7.78	8.65	9.55	1.0	13.4	31.0	47	117	50	0.068
10	ANJ	KNJ	DNJ	8.10	9.00	11.00	1.0	15.0	28.0	42	105	10	0.073
10A	APJ	KPJ	DPJ	8.55	9.50	10.5	1.0	14.5	29.0	43	108	10	0.073
11	AQJ	KQJ	DQJ	8.92	9.90	12.1	1.0	16.2	26.0	38	97	5	0.075
11A	ARJ	KRJ	DRJ	9.40	10.5	11.6	1.0	15.6	27.0	40	100	5	0.075
12	ASJ	KSJ	DSJ	9.72	10.8	13.2	1.0	17.3	24.0	36	91	5	0.078
12A	ATJ	KTJ	DTJ	10.2	11.4	12.6	1.0	16.7	25.0	37	94	5	0.078
13	AUJ	KUJ	DUJ	10.5	11.7	14.3	1.0	19.0	22.0	33	82	5	0.081
13A	AVJ	KVJ	DVJ	11.1	12.4	13.7	1.0	18.2	23.0	34	86	5	0.081
15	AWJ	KWJ	DWJ	12.1	13.5	16.5	1.0	22.0	19.0	28	71	5	0.084
15A	AXJ	KXJ	DXJ	12.8	14.3	15.8	1.0	21.2	20.0	29	74	5	0.084
16	AYJ	KYJ	DYJ	12.9	14.4	17.6	1.0	23.5	17.8	26	67	5	0.086
16A	AZJ	KZJ	DZJ	13.6	15.2	16.8	1.0	22.5	18.6	28	70	5	0.086
18	BDJ	LDJ	EDJ	14.5	16.2	19.8	1.0	26.5	16.0	23	59	5	0.088
18A	BEJ	LEJ	EEJ	15.3	17.1	18.9	1.0	25.5	16.5	25	60	5	0.088
20	BFJ	LFJ	EFJ	16.2	18.0	22.0	1.0	29.1	14.0	21	54	5	0.090
20A	BGJ	LGJ	EGJ	17.1	19.0	21.0	1.0	27.7	15.0	22	56	5	0.090
22	BHJ	LHJ	EHJ	17.8	19.8	24.2	1.0	31.9	13.0	19	49	5	0.092
22A	BKJ	LKJ	EKJ	18.8	20.9	23.1	1.0	30.6	13.7	20	51	5	0.092
24	BLJ	LLJ	ELJ	19.4	21.6	26.4	1.0	34.7	12.0	18	45	5	0.094
24A	BMJ	LMJ	EMJ	20.5	22.8	25.2	1.0	33.2	12.6	19	47	5	0.094
27	BNJ	LNJ	ENJ	21.8	24.3	29.7	1.0	39.1	10.7	16	40	5	0.096
27A	BPJ	LPJ	EPJ	23.1	25.7	28.4	1.0	37.5	11.0	16.8	42	5	0.096
30	BQJ	LQJ	EQJ	24.3	27.0	33.0	1.0	43.5	9.6	14	36	5	0.097
30A	BRJ	LRJ	ERJ	25.6	28.5	31.5	1.0	41.4	10.0	15	38	5	0.097
33	BSJ	LSJ	ESJ	26.8	29.7	36.3	1.0	47.7	8.8	13	33	5	0.098
33A	BTJ	LTJ	ETJ	28.2	31.4	34.7	1.0	45.7	9.0	13.8	34	5	0.098
36	BUJ	LUJ	EUJ	29.1	32.4	39.6	1.0	52.0	8.0	12	30	5	0.099
36A	BVJ	LVJ	EVJ	30.8	34.2	37.8	1.0	49.9	8.4	12.6	31	5	0.099
39	BWJ	LWJ	EWJ	31.6	35.1	42.9	1.0	56.4	7.4	11.1	27	5	0.100
39A	BXJ	LXJ	EXJ	33.3	37.1	41.0	1.0	53.9	7.7	11.6	29	5	0.100
43	BYJ	LYJ	EYJ	34.8	38.7	47.3	1.0	61.9	6.7	10	25	5	0.101
43A	BZJ	LZJ	EZJ	36.8	40.9	45.2	1.0	59.3	7.0	10.6	26	5	0.101
47	CDJ	MDJ	FDJ	38.1	42.3	51.7	1.0	67.8	6.2	9.2	23	5	0.101
47A	CEJ	MEJ	FEJ	40.2	44.7	49.4	1.0	64.8	6.4	9.7	24	5	0.101
51	CFJ	MFJ	FFJ	41.3	45.9	56.1	1.0	73.5	5.7	8.5	21	5	0.102

SURFACE MOUNT TRANSIENT VOLTAGE SUPPRESSORS

Part No. P4SMA P6SMB 1.5SMC	Devices Marking Code			Stand-Off Voltage	Breakdown Voltage		Test Current	Max. Clamping Voltage	Maximum Peak Pulse Current			Max. Reverse Leakage	Max Temp. Coefficient
	P4 SMA	P6 SMB	1.5 SMC	V_{WM} (Volts)	V_{BR} (Volts) Min	Max	@ I_T (mA)	at I_{PPM} Vc (Volts)	I_{PPM} (Amps) P4SMA	P6SMB	1.5SMC	at V_{WM} I_D (uA)	of V_{BR} (%/ºC)
51A	CGJ	MGJ	FGJ	43.6	48.5	53.6	1.0	70.1	6.0	8.9	22	5	0.102
56	CHJ	MHJ	FHJ	45.4	50.4	61.6	1.0	80.5	5.2	7.8	19	5	0.103
56A	CKJ	MKJ	FKJ	47.8	53.2	58.8	1.0	77.0	5.4	8.1	20	5	0.103
62	CLJ	MLJ	FLJ	50.2	55.8	68.2	1.0	89.0	4.7	7.0	17	5	0.104
62A	CMJ	MMJ	FMJ	53.0	58.9	65.1	1.0	85.0	5.0	7.4	18	5	0.104
68	CNJ	MNJ	FNJ	55.1	61.2	74.8	1.0	98.0	4.2	6.4	16	5	0.104
68A	CPJ	MPJ	FPJ	58.1	64.6	71.4	1.0	92.0	4.5	6.8	17	5	0.104
75	CQJ	MQJ	FQJ	60.7	67.5	82.5	1.0	108	3.8	5.8	14	5	0.105
75A	CRJ	MRJ	FRJ	64.1	71.3	78.8	1.0	103	4.0	6.1	15	5	0.105
82	CSJ	MSJ	FSJ	66.4	73.8	90.2	1.0	118	3.5	5.3	13	5	0.105
82A	CTJ	MTJ	FTJ	70.1	77.9	86.1	1.0	113	3.7	5.5	13.9	5	0.105
91	CUJ	MUJ	FUJ	73.7	81.9	100	1.0	131	3.2	4.8	12	5	0.106
91A	CVJ	MVJ	FVJ	77.8	86.5	95.5	1.0	125	3.3	5.0	12.6	5	0.106
100	CWJ	MWJ	FWJ	81.0	90	110	1.0	144	2.9	4.3	10.9	5	0.106
100A	CXJ	MXJ	FXJ	85.5	95	105	1.0	137	3.0	4.5	11.4	5	0.106
110	CYJ	MYJ	FYJ	89.2	99	121	1.0	158	2.6	3.9	9.9	5	0.107
110A	CZJ	MZJ	FZJ	94.0	105	116	1.0	152	2.7	4.1	10.3	5	0.107
120	RDJ	NDJ	GDJ	97.2	108	132	1.0	173	2.4	3.6	9.1	5	0.107
120A	REJ	NEJ	GEJ	102.0	114	126	1.0	165	2.5	3.8	9.5	5	0.107
130	RFJ	NFJ	GFJ	105.0	117	143	1.0	187	2.2	3.3	8.4	5	0.107
130A	RGJ	NGJ	GGJ	111.0	124	137	1.0	179	2.3	3.5	8.7	5	0.107
150	RHJ	NHJ	GHJ	121.0	135	165	1.0	215	1.9	2.9	7.3	5	0.108
150A	RKJ	NKJ	GKJ	128.0	143	158	1.0	207	2.0	3.0	7.6	5	0.108
160	RLJ	NLJ	GLJ	130.0	144	176	1.0	230	1.8	2.7	6.8	5	0.108
160A	RMJ	NMJ	GMJ	136.0	152	168	1.0	219	1.9	2.8	7.1	5	0.108
170	RNJ	NNJ	GNJ	138.0	153	187	1.0	244	1.7	2.5	6.4	5	0.108
170A	RPJ	NPJ	GPJ	145.0	162	179	1.0	234	1.8	2.6	6.7	5	0.108
180	RQJ	NQJ	GQJ	146.0	162	198	1.0	258	1.6	2.4	6.1	5	0.108
180A	RRJ	NRJ	GRJ	154.0	171	189	1.0	246	1.7	2.5	6.4	5	0.108
200	RSJ	NSJ	GSJ	162.0	180	220	1.0	287	1.4	2.1	5.4	5	0.108
200A	RTJ	NTJ	GTJ	171.0	190	210	1.0	274	1.51	2.2	5.7	5	0.108
220	—	NUJ	—	175.0	198	242	1.0	342	—	1.8	—	5	0.108
★220A	SEJ	NVJ	—	185.0	209	231	1.0	328	1.3	—	—	1	0.108
★250A	SGJ	—	—	214.0	237	263	1.0	344	1.2	—	—	1	0.108
★300A	SKJ	—	—	256.0	285	315	1.0	414	1	—	—	1	0.108
★350A	SMJ	—	—	300.0	332	368	1.0	482	0.9	—	—	1	0.108
★400A	SPJ	—	—	342.0	380	420	1.0	548	0.8	—	—	1	0.108

★ For Uni-direction only

TRANSIENT VOLTAGE SUPPRESSORS

Series	Peak Power Dissipation at T_A= 25ºC ,Tp=1ms ppk (Watts)	Steady State Power Dissipation at TL=75ºC, Lead Length 0.375" , 9.5mm P_D (Watts)	Peak Forward Surge Current , 8.3 ms Single Half Sine-wave Superimposed on Rated Load I_{FSM} (Amps)	Package
P4KExx(C)A	400	1.0	40	DO-41
BZW04-xx(B)	400	1.0	40	DO-41
SAxx(C)A	500	1.0	70	DO-15
P6KExx(C)A	600	5.0	100	DO-15
BZW06-xx(B)	600	1.7	100	DO-15
1.5KExx(C)A	1500	5.0	200	DO-201AA

Part No. P4KE P6KE 1.5KE	Nominal Voltage (Volts)	Breakdown Voltage V_{BR} (Volts)		Test Current @ I_T (mA)	Stand-Off Voltage V_{WM} (Volts)	Max. Reverse Leakage at V_{WM} I_D (uA)	Maximum Peak Pulse Current I_{PPM} (Amps)			Max. Clamping Voltage at I_{PPM} Vc (Volts)	Max Temp. Coefficient of V_{BR} (%/ºC)
		Min	Max				P4KE	P6KE	1.5KE		
6.8	6.8	6.12	7.48	10	5.50	1000	38.0	58.0	145	10.8	0.057
6.8A	6.8	6.46	7.14	10	5.80	1000	40.0	60.0	150	10.5	0.057
7.5	7.5	6.75	8.25	10	6.05	500	35.0	53.0	134	11.7	0.061
7.5A	7.5	7.13	7.88	10	6.40	500	37.0	55.0	139	11.3	0.061
8.2	8.2	7.38	9.02	10	6.63	200	33.0	50.0	126	12.5	0.065
8.2A	8.2	7.79	8.61	10	7.02	200	34.0	52.0	130	12.1	0.065
9.1	9.1	8.19	10.00	1	7.37	50	30.0	45.0	114	13.8	0.068
9.1A	9.1	8.65	9.55	1	7.78	50	31.0	47.0	117	13.4	0.068
10	10	9.00	11.00	1	8.10	10	28.0	42.0	105	15.0	0.073
10A	10	9.50	10.5	1	8.55	10	29.0	43.0	108	14.5	0.073
11	11	9.90	12.1	1	8.92	1	26.0	38.0	97	16.2	0.075
11A	11	10.5	11.6	1	9.40	1	27.0	40.0	100	15.6	0.075
12	12	10.8	13.2	1	9.72	1	24.0	36.0	91	17.3	0.078
12A	12	11.4	12.6	1	10.2	1	25.0	37.0	94	16.7	0.078
13	13	11.7	14.3	1	10.5	1	22.0	33.0	82	19.0	0.081
13A	13	12.4	13.7	1	11.1	1	23.0	34.0	86	18.2	0.081
15	15	13.5	16.5	1	12.1	1	19.0	28.0	71	22.0	0.084
15A	15	14.3	15.8	1	12.8	1	20.0	29.0	74	21.2	0.084
16	16	14.4	17.6	1	12.9	1	17.8	26.0	67	23.5	0.086
16A	16	15.2	16.8	1	13.6	1	18.6	28.0	70	22.5	0.086
18	18	16.2	19.8	1	14.5	1	16.0	23.0	59	26.5	0.088
18A	18	17.1	18.9	1	15.3	1	16.5	25.0	60	25.5	0.088
20	20	18.0	22.0	1	16.2	1	14.0	21.0	54	29.1	0.090
20A	20	19.0	21.0	1	17.1	1	15.0	22.0	56	27.7	0.090
22	22	19.8	24.2	1	17.8	1	13.0	19.0	49	31.9	0.092
22A	22	20.9	23.1	1	18.8	1	13.7	20.0	51	30.6	0.092
24	24	21.6	26.4	1	19.4	1	12.0	18.0	45	34.7	0.094
24A	24	22.8	25.2	1	20.5	1	12.6	19.0	47	33.2	0.094

TRANSIENT VOLTAGE SUPPRESSORS

Part No. P4KE P6KE 1.5KE	Nominal Voltage (Volts)	Breakdown Voltage V_{BR} (Volts)		Test Current @ I_T (mA)	Stand-Off Voltage V_{WM} (Volts)	Max. Reverse Leakage at V_{WM} I_D (uA)	Maximum Peak Pulse Current I_{PPM} (Amps)			Max. Clamping Voltage at I_{PPM} Vc (Volts)	Max Temp. Coefficient of V_{BR} (%/ºC)
		Min	Max				P4KE	P6KE	1.5KE		
27	27	24.3	29.7	1	21.8	1	10.7	16.0	40	39.1	0.096
27A	27	25.7	28.4	1	23.1	1	11.0	16.8	42	37.5	0.096
30	30	27.0	33.0	1	24.3	1	9.6	14.0	36	43.5	0.097
30A	30	28.5	31.5	1	25.6	1	10.0	15.0	38	41.4	0.097
33	33	29.7	36.3	1	26.8	1	8.8	13.0	33	47.7	0.098
33A	33	31.4	34.7	1	28.2	1	9.0	13.8	34	45.7	0.098
36	36	32.4	39.6	1	29.1	1	8.0	12.0	30	52.0	0.099
36A	36	34.2	37.8	1	30.8	1	8.4	12.6	31	49.9	0.099
39	39	35.1	42.9	1	31.6	1	7.4	11.1	27	56.4	0.100
39A	39	37.1	41.0	1	33.3	1	7.7	11.6	29	53.9	0.100
43	43	38.7	47.3	1	34.8	1	6.7	10.0	25	61.9	0.101
43A	43	40.9	45.2	1	36.8	1	7.0	10.6	26	59.3	0.101
47	47	42.3	51.7	1	38.1	1	6.2	9.2	23	67.8	0.101
47A	47	44.7	49.4	1	40.2	1	6.4	9.7	24	64.8	0.101
51	51	45.9	56.1	1	41.3	1	5.7	8.5	21	73.5	0.102
51A	51	48.5	53.6	1	43.6	1	6.0	8.9	22	70.1	0.102
56	56	50.4	61.6	1	45.4	1	5.2	7.8	19	80.5	0.103
56A	56	53.2	58.8	1	47.8	1	5.4	8.1	20	77.0	0.103
62	62	55.8	68.2	1	50.2	1	4.7	7.0	17	89.0	0.104
62A	62	58.9	65.1	1	53.0	1	5.0	7.4	18	85.0	0.104
68	68	61.2	74.8	1	55.1	1	4.2	6.4	16	98.0	0.104
68A	68	64.6	71.4	1	58.1	1	4.5	6.8	17	92.0	0.104
75	75	67.5	82.5	1	60.7	1	3.8	5.8	14	108	0.105
75A	75	71.3	78.8	1	64.1	1	4.0	6.1	15	103	0.105
82	82	73.8	90.2	1	66.4	1	3.5	5.3	13	118	0.105
82A	82	77.9	86.1	1	70.1	1	3.7	5.5	13.9	113	0.105
91	91	81.9	100	1	73.7	1	3.2	4.8	12	131	0.106
91A	91	86.5	95.5	1	77.8	1	3.3	5.0	12.6	125	0.106
100	100	90	110	1	81.0	1	2.9	4.3	10.9	144	0.106
100A	100	95	105	1	85.5	1	3.0	4.5	11.4	137	0.106
110	110	99	121	1	89.2	1	2.6	3.9	9.9	158	0.107
110A	110	105	116	1	94.0	1	2.7	4.1	10.3	152	0.107
120	120	108	132	1	97.2	1	2.4	3.6	9.1	173	0.107
120A	120	114	126	1	102	1	2.5	3.8	9.5	165	0.107
130	130	117	143	1	105	1	2.2	3.3	8.4	187	0.107
130A	130	124	137	1	111	1	2.3	3.5	8.7	179	0.107
150	150	135	165	1	121	1	1.9	2.9	7.3	215	0.108
150A	150	143	158	1	128	1	2.0	3.0	7.6	207	0.108
160	160	144	176	1	130	1	1.8	2.7	6.8	230	0.108
160A	160	152	168	1	136	1	1.9	2.8	7.1	219	0.108

TRANSIENT VOLTAGE SUPPRESSORS

Part No. P4KE P6KE 1.5KE	Nominal Voltage (Volts)	Breakdown Voltage V_{BR} (Volts) Min	Max	Test Current @ I_T (mA)	Stand-Off Voltage V_{WM} (Volts)	Max. Reverse Leakage at V_{WM} I_D (uA)	Maximum Peak Pulse Current I_{PPM} (Amps) P4KE	P6KE	1.5KE	Max. Clamping Voltage at I_{PPM} Vc (Volts)	Max Temp. Coefficient of V_{BR} (%/ºC)
170	170	153	187	1	138	1	1.7	2.5	6.4	244	0.108
170A	170	162	179	1	145	1	1.8	2.6	6.7	234	0.108
180	180	162	198	1	146	1	1.6	2.4	6.1	258	0.108
180A	180	171	189	1	154	1	1.7	2.5	6.4	246	0.108
200	200	180	220	1	162	1	1.4	2.1	5.4	287	0.108
200A	200	190	210	1	171	1	1.51	2.2	5.7	274	0.108
220	220	198	242	1	175	1	1.20	1.8	4.5	344	0.108
220A	220	209	231	1	185	1	1.30	1.9	4.8	328	0.108
250	250	225	275	1	202	1	1.10	1.7	4.3	360	0.110
250A	250	237	263	1	214	1	1.20	1.8	4.5	344	0.110
300	300	270	330	1	243	1	0.97	1.4	3.6	430	0.110
300A	300	285	315	1	256	1	1.00	1.5	3.8	414	0.110
350	350	315	385	1	284	1	0.83	1.2	3.1	504	0.110
350A	350	332	368	1	300	1	0.87	1.3	3.2	482	0.110
400	400	360	440	1	324	1	0.73	1.0	2.7	574	0.110
400A	400	380	420	1	342	1	0.76	1.1	2.8	548	0.110
440	440	396	484	1	356	1	0.66	1.0	2.4	631	0.110
440A	440	418	462	1	376	1	0.69	1.0	2.5	600	0.110

TRANSIENT VOLTAGE SUPPRESSORS

Part No.	Breakdown Voltage V_{BR} (Volts) Min	Max	Test Current @ I_T (mA)	Stand-Off Voltage V_{WM} (Volts)	Max. Reverse Leakage at V_{WM} I_D (uA)	Maximum Peak Pulse Current I_{PPM} (Amps)	Max. Clamping Voltage at I_{PPM} Vc (Volts)	Max Temp. Coefficient of V_{BR} (%/ºC)
SA5.0	6.40	7.30	10	5.0	600	54.0	9.6	5
SA5.0A	6.40	7.00	10	5.0	600	57.0	9.2	5
SA6.0	6.67	8.15	10	6.0	600	46.0	11.4	5
SA6.0A	6.67	7.37	10	6.0	600	50.0	10.3	5
SA6.5	7.22	8.82	10	6.5	400	42.0	12.3	5
SA6.5A	7.22	7.98	10	6.5	400	46.0	11.2	5
SA7.0	7.78	9.51	10	7.0	150	39.0	13.3	6
SA7.0A	7.78	8.60	10	7.0	150	43.0	12.0	6
SA7.5	8.33	10.20	1	7.5	50	36.0	14.3	7
SA7.5A	8.33	9.21	1	7.5	50	40.0	12.9	7
SA8.0	8.89	10.9	1	8.0	25	35.0	15.0	7
SA8.0A	8.89	9.83	1	8.0	25	38.0	13.6	7
SA8.5	9.44	11.5	1	8.5	10	33.0	15.9	8
SA8.5A	9.44	10.4	1	8.5	10	36.0	14.4	8
SA9.0	10.0	12.2	1	9.0	5	31.0	16.9	9
SA9.0A	10.0	11.1	1	9.0	5	34.0	15.4	9
SA10	11.1	13.6	1	10	1	27.0	18.8	10
SA10A	11.1	12.3	1	10	1	30.0	17.0	10
SA11	12.2	14.9	1	11	1	26.0	20.1	11
SA11A	12.2	13.5	1	11	1	28.0	18.2	11
SA12	13.3	16.3	1	12	1	23.0	22.0	12
SA12A	13.3	14.7	1	12	1	26.3	19.9	12
SA13	14.4	17.6	1	13	1	22.0	23.8	13
SA13A	14.4	15.9	1	13	1	24.0	21.5	13
SA14	15.6	19.1	1	14	1	20.3	25.8	14
SA14A	15.6	17.2	1	14	1	22.6	23.2	14
SA15	16.7	20.4	1	15	1	19.5	26.9	16
SA15A	16.7	18.5	1	15	1	21.0	24.4	16
SA16	17.8	21.8	1	16	1	18.0	28.8	19
SA16A	17.8	19.7	1	16	1	20.0	26.0	17
SA17	18.9	23.1	1	17	1	17.0	30.5	20
SA17A	18.9	20.9	1	17	1	19.0	27.7	19
SA18	20.0	24.4	1	18	1	16.3	32.2	21
SA18A	20.0	22.1	1	18	1	17.9	39.4	20
SA20	22.2	27.1	1	20	1	14.0	35.5	25
SA20A	22.2	24.5	1	20	1	16.0	43.0	23
SA22	24.4	29.8	1	22	1	13.0	38.9	28
SA22A	24.4	26.9	1	22	1	14.7	46.6	25
SA24	26.7	32.6	1	24	1	12.0	42.1	31
SA24A	26.7	29.5	1	24	1	13.4	50.1	28

TRANSIENT VOLTAGE SUPPRESSORS

Part No.	Breakdown Voltage V_{BR} (Volts)		Test Current @ I_T (mA)	Stand-Off Voltage V_{WM} (Volts)	Max. Reverse Leakage at V_{WM} I_D (uA)	Maximum Peak Pulse Current I_{PPM} (Amps)	Max. Clamping Voltage at I_{PPM} Vc (Volts)	Max Temp. Coefficient of V_{BR} (%/ºC)
	Min	Max						
SA26	28.9	35.3	1	26	1	11.0	45.4	31
SA26A	28.9	31.9	1	26	1	12.4	53.5	30
SA28	31.1	38.0	1	28	1	10.0	48.4	35
SA28A	31.1	34.4	1	28	1	11.5	59.0	31
SA30	33.3	40.7	1	30	1	9.8	53.3	39
SA30A	33.3	36.8	1	30	1	10.8	64.3	36
SA33	36.7	44.9	1	33	1	8.8	58.1	42
SA33A	36.7	40.6	1	33	1	9.8	71.4	39
SA36	40.0	48.9	1	36	1	8.1	64.5	46
SA36A	40.0	44.2	1	36	1	9.0	58.1	41
SA40	44.4	54.3	1	40	1	7.3	71.4	51
SA40A	44.4	49.1	1	40	1	8.1	64.5	46
SA43	47.8	58.4	1	43	1	6.8	76.7	55
SA43A	47.8	52.8	1	43	1	7.5	69.4	50
SA45	50.0	61.1	1	45	1	6.5	80.3	58
SA45A	50.0	55.3	1	45	1	7.2	72.7	52
SA48	53.3	65.2	1	48	1	6.1	85.5	63
SA48A	53.3	58.9	1	48	1	6.7	77.4	56
SA51	56.7	69.3	1	51	1	5.7	91.1	66
SA51A	56.7	62.7	1	51	1	6.3	82.4	61
SA54	60.0	73.3	1	54	1	5.4	86.3	71
SA54A	60.0	66.3	1	54	1	6.0	87.1	65
SA58	64.4	78.7	1	58	1	5.0	103	78
SA58A	64.4	71.2	1	58	1	5.6	93.6	70
SA60	66.7	81.5	1	60	1	4.9	107	80
SA60A	66.7	73.7	1	60	1	5.4	96.8	71
SA64	71.1	86.9	1	64	1	4.6	114	86
SA64A	71.1	78.6	1	64	1	5.0	103	76
SA70	77.8	95.1	1	70	1	4.2	125	94
SA70A	77.8	86.0	1	70	1	4.6	113	85
SA75	83.3	102	1	75	1	3.9	134	101
SA75A	83.3	92.1	1	75	1	4.3	121	91
SA78	86.7	103	1	78	1	3.7	139	105
SA78A	86.7	95.8	1	78	1	4.1	126	95
SA85	94.4	115	1	85	1	3.4	151	114
SA85A	94.4	104	1	85	1	3.8	137	103
SA90	100	122	1	90	1	3.2	160	121
SA90A	100	111	1	90	1	3.5	146	110
SA100	111	136	1	100	1	2.9	179	135
SA100A	111	123	1	100	1	3.2	162	123

TRANSIENT VOLTAGE SUPPRESSORS

Part No.	Breakdown Voltage V_{BR} (Volts)		Test Current @ I_T (mA)	Stand-Off Voltage V_{WM} (Volts)	Max. Reverse Leakage at V_{WM} I_D (uA)	Maximum Peak Pulse Current I_{PPM} (Amps)	Max. Clamping Voltage at I_{PPM} Vc (Volts)	Max Temp. Coefficient of V_{BR} (%/ºC)
	Min	Max						
SA110	122	149	1	110	1	2.6	196	148
SA110A	122	135	1	110	1	2.9	177	133
SA120	133	163	1	120	1	2.4	214	162
SA120A	133	147	1	120	1	2.7	193	146
SA130	144	176	1	130	1	2.2	230	175
SA130A	144	159	1	130	1	2.5	209	158
SA150	167	204	1	150	1	1.9	268	203
SA150A	167	185	1	150	1	2.1	243	184
SA160	178	218	1	160	1	2.0	257	217
SA160A	178	197	1	160	1	2.0	259	196
SA170	189	231	1	170	1	1.7	304	230
SA170A	189	209	1	170	1	0.1	275	208

TRANSIENT VOLTAGE SUPPRESSORS

Part No.		Breakdown Voltage V_{BR} (Volts) Min	Max	Test Current @ I_T (mA)	Stand-Off Voltage V_{WM} (Volts)	Max. Reverse Leakage at V_{WM} I_D (uA)	Maximum Peak Pulse Current I_{PPM} (Amps)	Max. Clamping Voltage at I_{PPM} Vc (Volts)	Max Temp. Coefficient of V_{BR} (%/ºC)
BZW04-5V8	BZW04-5V8B	6.45	7.14	10	5.80	1000	38.0	10.5	0.057
BZW04-6V4	BZW04-6V4B	7.13	7.88	10	6.40	500	35.4	11.3	0.061
BZW04-7V0	BZW04-7V0B	7.79	8.61	10	7.02	200	33.0	12.1	0.065
BZW04-7V8	BZW04-7V8B	8.65	9.55	1	7.78	50	30.0	13.4	0.068
BZW04-8V5	BZW04-8V5B	9.5	10.5	1	8.55	10	27.6	14.5	0.073
BZW04-9V4	BZW04-9V4B	10.5	11.6	1	9.40	5	25.7	15.6	0.075
BZW04-10	BZW04-10B	11.4	12.6	1	10.2	5	24.0	16.7	0.078
BZW04-11	BZW04-11B	12.4	13.7	1	11.1	5	22.0	18.2	0.081
BZW04-13	BZW04-13B	14.3	15.8	1	12.8	5	19.0	21.2	0.084
BZW04-14	BZW04-14B	15.2	16.8	1	13.6	1	17.8	22.5	0.083
BZW04-15	BZW04-15B	17.1	18.9	1	15.3	1	16.0	25.2	0.088
BZW04-17	BZW04-17B	19.0	21.0	1	17.1	1	14.5	27.7	0.090
BZW04-19	BZW04-19B	20.9	23.1	1	18.8	1	13.0	30.6	0.092
BZW04-20	BZW04-20B	22.8	25.2	1	20.5	1	12.0	33.2	0.094
BZW04-23	BZW04-23B	25.7	28.4	1	23.1	1	10.7	37.5	0.096
BZW04-26	BZW04-26B	28.5	31.5	1	25.6	1	9.6	41.5	0.097
BZW04-28	BZW04-28B	31.4	34.7	1	28.2	1	8.8	45.7	0.098
BZW04-31	BZW04-31B	34.2	37.8	1	30.8	1	8.0	49.9	0.099
BZW04-33	BZW04-33B	37.1	41.0	1	33.3	1	7.4	53.9	0.100
BZW04-37	BZW04-37B	40.9	45.2	1	36.8	1	6.7	59.3	0.101
BZW04-40	BZW04-40B	44.7	49.4	1	40.2	1	6.2	64.8	0.101
BZW04-44	BZW04-44B	48.5	53.6	1	43.6	1	5.7	70.1	0.102
BZW04-48	BZW04-48B	53.2	58.8	1	47.8	1	5.2	77.0	0.103
BZW04-53	BZW04-53B	58.9	65.1	1	53.0	1	4.7	85.0	0.104
BZW04-58	BZW04-58B	64.6	71.4	1	58.1	1	4.3	92.0	0.104
BZW04-64	BZW04-64B	71.3	78.8	1	64.1	1	3.9	103	0.105
BZW04-70	BZW04-70B	77.9	86.1	1	70.1	1	3.5	113	0.105
BZW04-78	BZW04-78B	86.5	95.5	1	78.0	1	3.2	125	0.105
BZW04-85	BZW04-85B	95	105	1	85.5	1	2.9	137	0.106
BZW04-94	BZW04-94B	105	116	1	94.0	1	2.6	152	0.107
BZW04-102	BZW04-102B	114	126	1	102	1	2.4	165	0.107
BZW04-110	BZW04-110B	124	137	1	111	1	2.2	179	0.107
BZW04-128	BZW04-128B	143	158	1	128	1	2.0	207	0.108
BZW04-136	BZW04-136B	152	168	1	136	1	1.8	219	0.108
BZW04-145	BZW04-145B	161	179	1	145	1	1.7	234	0.108

TRANSIENT VOLTAGE SUPPRESSORS

Part No.		Breakdown Voltage V_{BR} (Volts) Min	Max	Test Current @ I_T (mA)	Stand-Off Voltage V_{WM} (Volts)	Max. Reverse Leakage at V_{WM} I_D (uA)	Maximum Peak Pulse Current I_{PPM} (Amps)	Max. Clamping Voltage at I_{PPM} Vc (Volts)	Max Temp. Coefficient of V_{BR} (%/ºC)
BZW04-154	BZW04-154B	171	189	1	154	1	1.6	246	0.108
BZW04-171	BZW04-171B	190	210	1	171	1	1.5	274	0.108
BZW04-188	BZW04-188B	209	231	1	188	1	1.4	301	0.108
BZW04-213	BZW04-213B	237	263	1	213	1	1.2	344	0.110
BZW04-239	BZW04-239B	266	294	1	239	1	1.1	384	0.110
BZW04-256	BZW04-256B	285	315	1	256	1	1.0	414	0.110
BZW04-273	BZW04-273B	304	336	1	273	1	0.9	438	0.110
BZW04-299	BZW04-299B	332	368	1	299	1	0.8	482	0.110
BZW04-342	BZW04-342B	380	420	1	342	1	0.75	548	0.110
BZW04-376	BZW04-376B	418	462	1	376	1	0.67	603	0.110

TRANSIENT VOLTAGE SUPPRESSORS

Part No.		Breakdown Voltage V_{BR} (Volts)		Test Current @ I_T (mA)	Stand-Off Voltage V_{WM} (Volts)	Max. Reverse Leakage at V_{WM} I_D (uA)	Maximum Peak Pulse Current I_{PPM} (Amps)	Max. Clamping Voltage at I_{PPM} V_{CL} (Volts)	Max Temp. Coefficient of V_{BR} (%/°C)
		Min	Max						
BZW06-13	BZW06-13B	14.3	15.8	1	12.8	5	28.0	21.2	0.084
BZW06-15	BZW06-15B	17.1	18.9	1	15.3	1	24.0	25.2	0.088
BZW06-19	BZW06-19B	20.9	23.1	1	18.8	1	19.6	30.6	0.092
BZW06-20	BZW06-20B	22.8	25.2	1	20.5	1	28.0	33.2	0.094
BZW06-23	BZW06-23B	25.7	28.4	1	23.1	1	16.0	37.5	0.096
BZW06-26	BZW06-26B	28.5	31.5	1	25.6	1	14.5	41.5	0.097
BZW06-28	BZW06-28B	31.4	34.7	1	28.2	1	13.1	45.7	0.098
BZW06-31	BZW06-31B	34.2	37.8	1	30.8	1	12.0	49.9	0.099
BZW06-33	BZW06-33B	37.1	47.0	1	33.3	1	11.1	53.9	0.100
BZW06-37	BZW06-37B	40.9	45.2	1	36.8	1	10.1	59.3	0.101
BZW06-40	BZW06-40B	44.7	49.4	1	40.2	1	9.3	64.8	0.101
BZW06-48	BZW06-48B	53.2	58.8	1	47.8	1	7.8	77.0	0.103
BZW06-58	BZW06-58B	64.6	71.4	1	58.1	1	6.5	92.0	0.104
BZW06-70	BZW06-70B	77.9	86.1	1	70.1	1	5.3	113	0.105
BZW06-85	BZW06-85B	95	105	1	85.5	1	4.4	137	0.106
BZW06-102	BZW06-102B	114	126	1	102	1	3.6	165	0.107
BZW06-128	BZW06-128B	143	158	1	128	1	2.9	207	0.108
BZW06-154	BZW06-154B	171	189	1	154	1	2.4	246	0.108
BZW06-171	BZW06-171B	190	210	1	171	1	2.2	274	0.108
BZW06-188	BZW06-188B	209	231	1	188	1	2.0	301	0.108
BZW06-213	BZW06-213B	237	263	1	213	1	2.0	344	0.110
BZW06-256	BZW06-256B	285	315	1	256	1	1.6	414	0.110
BZW06-273	BZW06-273B	304	336	1	273	1	1.6	438	0.110
BZW06-299	BZW06-299B	332	368	1	299	1	1.6	482	0.110
BZW06-342	BZW06-342B	380	420	1	342	1	1.3	548	0.110
BZW06-376	BZW06-376B	418	462	1	376	1	1.3	603	0.110

TAIWAN SEMICONDUCTOR
The Smartest Choice

ZENER DIODES AND ARRAY

Part No.	Nominal Zener Voltage	Test Current	Maximum Zener Impedance			Leakage Current		P_D	V_Z (V)	Package
	V_Z @ I_{ZT}	I_{ZT}	Z_{ZT} @ I_{ZT}	Z_{ZK} @ I_{ZK}		I_R @ V_R		mW	Tolerance	
	Volts	mA	Ohms	Ohms	mA	uA Max	Volts			
TSZU52C2-39	2.2-39	5	7-100	50-600	1	0.1-100	0.8-29	150	±5%	0603
BZY55C2V4-36	2.4-36	5	7-85	50-600	1	0.1-50	1-27	500	±2%	0805
TSZL52C2-39	2.2-39	5	7-100	50-600	1	0.1-100	0.8-29	200	±5%	1005
BZS55C2V4-36	2.4-36	5	7-85	50-600	1	0.1-50	1-27	500	±5%	1206
BZS55B2V4-36	2.4-36	5	7-85	50-600	1	0.1-50	1-27	500	±2%	1206
MMSZ5221B-5267B	2.4-75	2.2-20	5-150	600-2000	0.25	0.1-100	1-43	500	±5%	SOD-123
MMSZ5229BW-5267BW	4.3-75	1.7-20	5-270	600-2000	0.25	0.1-5	1-56	500	±2%	SOD-123
BZT52C2V4-75	2.4-75	5	10-255	75-600	0.5-1.0	0.045-120	0.5-52.5	500	±5%	SOD-123
BZT52B2V4-75	2.4-75	5	10-255	75-600	0.5-1.0	0.045-120	0.5-52.5	500	±2%	SOD-123
BZT52C2V4S-51S	2.4-75	2.0-5.0	10-255	75-564	0.5-1	0.045-45	1.0-52.5	200	±5%	SOD-323
BZT52B2V4S-51S	2.4-75	2.0-5.0	10-255	75-564	0.5-1	0.045-45	1.0-52.5	200	±2%	SOD-323
UDZS3V6B-36B	3.6-36	5	20-100	75-600	0.5-1	0.045-4.5	1.0-25.2	200	±2%	SOD-323
BZT52C2V0K-75K	2-75	1-5	10-255	80-1000	1	0.1-120	0.5-57	200	±5%	SOD-523
MM7Z2V4C-24C	2.4-24	2-5	10-100	80-1000	1	0.1-120	1-19	100	±5%	SOD-723
BZX84C2V4 -39	2.4-39	2-5	10-130	80-600	0.5-1	0.1-50	1-27.3	350	±5%	SOT-23
AZ23C2V7-51	2.7-51	5	7-100	50-750	1	0.1	0.8-38	300	±5%	SOT-23
BZX84C2V4-75/SE/CC/CA	2.4-75	2-5	15-225	80-600	0.5-1	0.1-50	1-52.5	200	±5%	SOT-323
BZX84C2V4TS-39TS	2.4-39	2-5	15-130	80-600	0.5-1	0.1-50	1-27.3	200	±5%	SOT-363
BZX84C2V4T-39T	2.4-39	2-5	15-130	80-600	0.5-1	0.1-50	1-27.3	150	±5%	SOT-523
BZX84C2V4M-39M	2.4-39	2-5	2-5	80-600	0.5-1	0.1-50	1-27.3	100	±5%	SOT-723
1N4728G-58G	3.5-58.8	4.5-76	2.0-110	400-2000	0.25-1.0	5.0-100	1.0-42.6	1000	±5%	DO-41
BZX85C3V3-56	3.3-56	2.7-80	3.5-350	200-3000	0.25-1	0.5-60	1.0-68	1300	±5%	DO-41
1N5221B-5263B	2.4-56	1.0-20	5.0-650	600-3000	0.25	0.1-100	1.0-82	500	±5%	DO-35
BZX55B2V4-75	2.4-75	10.0-250	1.0-5	50-700	1	0.1-50	1.0-69	500	±2%	DO-35
BZX55C2V4-75	2.4-75	10.0-250	1.0-5	50-700	1	0.1-50	1.0-69	500	±5%	DO-35
BZX79B2V4-75	2.4-75	2.0-5.0	10-255	80-1000	0.5-1.0	0.05-150	1.0-52.5	500	±2%	DO-35
BZX79C2V0-75	2.0-75	2.0-5.0	10-255	80-1000	0.5-1.0	0.05-150	1.0-52.5	500	±5%	DO-35
MTZJ2V0-39V	2.0-39	5	20-120	110-1000	0.5-1.0	0.2-120	0.5-30	500	±2.5%-±5%	DO-34
ZM4728A-58A	3.3-56	0.25-1	2-110	400-2000	0.25-1	5.0-100	1-42.6	1000	±5%	MELF
LLZ2V0-56V	2-56	5	20-120	-	-	0.2-120	0.7-43	500	±5%	MMELF
LLZ5221B-5263B	2.4-56	2.2-20	5-150	600-2000	0.25	0.1-100	1-43	500	±5%	MMELF
BZV55B2V0-56	2-56	2.5-5	7-170	50-1000	0.5-1.0	0.1-50	1-56	500	±2%	MMELF
BZV55C2V0-56	2-56	2.5-5	7-170	50-1000	0.5-1.0	0.1-50	1-56	500	±5%	MMELF
BZV79C2V0-56	2-56	2-5	10-255	80-1000	0.5-1.0	0.05-150	1-52.5	500	±5%	MMELF
BZT55B2V0-75	2-75	2.5-5	7-170	50-1000	0.5-1.0	0.1-50	1-56	500	±2%	QMMELF
BZT55C2V0-75	2-75	2.5-5	7-170	50-1000	0.5-1.0	0.1-50	1-56	500	±5%	QMMELF

ZENER DIODES

Series	Power Dissipation P_D (Watts)	Peak Forward Surge Current I_{FSM} (Amps)	Package
BZD17CxxP	0.8	-	Sub SMA
BZD27CxxP	1.0	-	Sub SMA
1SMA47xx	1.0	10	SMA
1SMA59xx	1.5	10	SMA
1SMB59xx	3.0	-	SMB
1N47xx	1.0	10	DO-41
2MxxZ	2.0	15	DO-15

Part No.	Device Marking Code	Working Voltage		Differential Resistance		Temperature Coefficient		Test Current	Reverse Current @ Reverse Voltage	
		V_Z @ I_{ZT} (Volts)		r_{dif} @ I_Z (Ohm)		$ALPH_Z$ @ I_Z (% /ºC)		I_{ZT}	I_R	V_R
		Min	Max	Typ	Max	Min	Max	mA	uA	V
BZD17C11P	J2	10.4	11.6	4	7	0.05	0.10	50	4.0	8.2
BZD17C12P	J3	11.4	12.7	4	7	0.05	0.10	50	3.0	9.1
BZD17C13P	J4	12.4	14.1	5	10	0.05	0.10	50	2.0	10
BZD17C15P	J5	13.8	15.6	5	10	0.05	0.10	25	1.0	11
BZD17C16P	J6	15.3	17.1	6	15	0.06	0.11	25	1.0	12
BZD17C18P	J7	16.8	19.1	6	15	0.06	0.11	25	1.0	13
BZD17C24P	K0	22.8	25.6	7	15	0.06	0.11	25	1.0	18
BZD17C27P	K1	25.1	28.9	7	15	0.06	0.11	25	1.0	20
BZD17C33P	K3	31	35	8	15	0.06	0.11	25	1.0	24
BZD17C36P	K4	34	38	21	40	0.06	0.11	10	1.0	27
BZD17C39P	K5	37	41	21	40	0.06	0.11	10	1.0	30
BZD17C43P	K6	40	46	24	45	0.07	0.12	10	1.0	33
BZD17C47P	K7	44	50	24	45	0.07	0.12	10	1.0	36
BZD17C51P	K8	48	54	25	60	0.07	0.12	10	1.0	39
BZD17C62P	L0	58	66	25	80	0.08	0.13	10	1.0	47
BZD17C68P	L1	64	72	25	80	0.08	0.13	10	1.0	51
BZD17C75P	L2	70	79	30	100	0.08	0.13	10	1.0	56
BZD17C100P	L5	94	106	60	200	0.09	0.13	4	1.0	75
BZD17C120P	L7	114	127	150	300	0.09	0.13	4	1.0	91
BZD17C180P	M1	168	191	280	450	0.09	0.13	4	1.0	130
BZD17C200P	M2	188	212	350	750	0.09	0.13	4	1.0	150
BZD17C220P	M3	208	233	430	900	0.09	0.13	4	1.0	160
BZD27C6V8P	D7	6.4	7.2	1	3	-	0.07	100	10	3
BZD27C7V5P	D8	7	7.9	1	2	-	0.07	100	50	3
BZD27C8V2P	D9	7.7	8.7	1	2	0.03	0.08	100	10	3
BZD27C9V1P	E1	8.5	9.6	2	4	0.03	0.08	50	10	5
BZD27C11P	E2	10.4	11.6	4	7	0.05	0.10	50	4	8.2
BZD27C12P	E3	11.4	12.7	4	7	0.05	0.10	50	3	9.1
BZD27C13P	E4	12.4	14.1	5	10	0.05	0.10	50	2	10

ZENER DIODES

Part No.	Device Marking Code	Working Voltage		Differential Resistance		Temperature Coefficient		Test Current	Reverse Current @ Reverse Voltage	
		V_Z @ I_{ZT} (Volts)		r_{dif} @ I_Z (Ohm)		$ALPH_Z$ @ I_Z (% /ºC)		I_{ZT}	I_R	V_R
		Min	Max	Typ	Max	Min	Max	mA	uA	V
BZD27C15P	E5	13.8	15.6	5	10	0.05	0.10	25	1	11
BZD27C16P	E6	15.3	17.1	6	15	0.06	0.11	25	1	12
BZD27C18P	E7	16.8	19.1	6	15	0.06	0.11	25	1	13
BZD27C24P	F0	22.8	25.6	7	15	0.06	0.11	25	1	18
BZD27C27P	F1	25.1	28.9	7	15	0.06	0.11	25	1	20
BZD27C30P	F2	28	32	8	15	0.06	0.11	25	1	22
BZD27C33P	F3	31	35	8	15	0.06	0.11	25	1	24
BZD27C36P	F4	34	38	21	40	0.06	0.11	10	1	27
BZD27C39P	F5	37	41	21	40	0.06	0.11	10	1	30
BZD27C43P	F6	40	46	24	45	0.07	0.12	10	1	33
BZD27C47P	F7	44	50	24	45	0.07	0.12	10	1	36
BZD27C51P	F8	48	54	25	60	0.07	0.12	10	1	39
BZD27C62P	G0	58	66	25	80	0.08	0.13	10	1	47
BZD27C68P	G1	64	72	25	80	0.08	0.13	10	1	51
BZD27C75P	G2	70	79	30	100	0.08	0.13	10	1	56
BZD27C100P	G5	94	106	60	200	0.09	0.13	4	1	75
BZD27C120P	G7	114	127	150	300	0.09	0.13	4	1	91
BZD27C180P	H1	168	191	280	450	0.09	0.13	4	1	130
BZD27C200P	H2	188	212	350	750	0.09	0.13	4	1	150
BZD27C220P	H3	208	233	430	900	0.09	0.13	4	1	160

ZENER DIODES

Part No.	Device Marking Code	Nominal Zener Voltage	Test Current	Maximum Zener Impedance			Leakage Current		Surge Current
		V_Z @ I_{ZT}	I_{ZT}	Z_{ZT} @ I_{ZT}	Z_{ZK} @ I_{ZK}		I_R @ V_R		@ T_A = 25ºC
		Volts	mA	Ohms	Ohms	mA	uA Max	Volts	I_R (mA)
1SMA4737	737A	7.5	34	4	700	0.50	5	5.0	605
1SMA4738	738A	8.2	31	4.5	700	0.50	5	6.0	550
1SMA4739	739A	9.1	28	5	700	0.50	5	7.0	500
1SMA4740	740A	10	25	7	700	0.25	5	7.6	454
1SMA4741	741A	11	23	8	700	0.25	1	8.4	414
1SMA4742	742A	12	21	9	700	0.25	1	9.1	380
1SMA4743	743A	13	19	10	700	0.25	1	9.9	344
1SMA4744	744A	15	17	14	700	0.25	1	11.4	304
1SMA4745	745A	16	15.5	16	700	0.25	1	12.2	285
1SMA4746	746A	18	14.0	20	750	0.25	1	13.7	250
1SMA4747	747A	20	12.5	22	750	0.25	1	15.2	225
1SMA4748	748A	22	11.5	23	750	0.25	1	16.7	205
1SMA4749	749A	24	10.5	25	750	0.25	1	18.2	190
1SMA4750	750A	27	9.5	35	750	0.25	1	20.6	170
1SMA4751	751A	30	8.5	40	1000	0.25	1	22.8	150
1SMA4752	752A	33	7.5	45	1000	0.25	1	25.1	135
1SMA4753	753A	36	7.0	50	1000	0.25	1	27.4	125
1SMA4754	754A	39	6.5	60	1000	0.25	1	29.7	115
1SMA4755	755A	43	6.0	70	1500	0.25	1	32.7	110
1SMA4756	756A	47	5.5	80	1500	0.25	1	35.8	95
1SMA4757	757A	51	5.0	95	1500	0.25	1	38.8	90
1SMA4758	758A	56	4.5	110	2000	0.25	1	42.6	80
1SMA4759	759A	62	4.0	125	2000	0.25	1	47.1	70
1SMA4760	760A	68	3.7	150	2000	0.25	1	51.7	65
1SMA4761	761A	75	3.3	175	2000	0.25	1	56.0	60
1SMA4762	762A	82	3.0	200	3000	0.25	1	62.2	55
1SMA4763	763A	91	2.8	250	3000	0.25	1	69.2	50
1SMA4764	764A	100	2.5	350	3000	0.25	1	76.0	45
1SMA110Z	110A	110	2.3	450	4000	0.25	1	83.6	-
1SMA120Z	120A	120	2.0	550	4500	0.25	1	91.2	-
1SMA130Z	130A	130	1.9	700	5000	0.25	1	98.8	-
1SMA150Z	150A	150	1.7	1000	6000	0.25	1	114.0	-
1SMA160Z	160A	160	1.6	1100	6500	0.25	1	121.6	-
1SMA180Z	180A	180	1.4	1200	7000	0.25	1	136.8	-
1SMA200Z	200A	200	1.2	1500	8000	0.25	1	152.0	-

ZENER DIODES

Part No.	Device Marking Code	Zener Voltage			Test Current	Maximum Zener Impedance			Leakage Current		Maximum DC Zener Current
		V_Z @ I_{ZT} (Volts)			I_{ZT}	Z_{ZT} @ I_{ZT}	Z_{ZK} @ I_{ZK}		I_R @ V_R		I_{ZM}
		Min	Nom	Max	mA	Ohms	Ohms	mA	uA	Volts	mA (DC)
1SMA5926	926A	10.45	11	11.55	34.1	5.5	550	0.25	0.5	8.4	136
1SMA5927	927A	11.40	12	12.60	31.2	6.5	550	0.25	0.5	9.1	125
1SMA5928	928A	12.35	13	13.65	28.8	7.0	550	0.25	0.5	9.9	115
1SMA5929	929A	14.25	15	15.75	25.0	9.0	600	0.25	0.5	11.4	100
1SMA5930	930A	15.20	16	16.80	23.4	10.0	600	0.25	0.5	12.2	94
1SMA5931	931A	17.10	18	18.90	20.8	12.0	650	0.25	0.5	13.7	83
1SMA5932	932A	19.00	20	21.00	18.7	14.0	650	0.25	0.5	15.2	75
1SMA5933	933A	20.90	22	23.10	17.0	17.5	650	0.25	0.5	16.7	68
1SMA5934	934A	22.80	24	25.20	15.6	19.0	700	0.25	0.5	18.2	63
1SMA5935	935A	25.65	27	28.35	13.9	23.0	700	0.25	0.5	20.6	56
1SMA5936	936A	28.50	30	31.50	12.5	26.0	750	0.25	0.5	22.8	50
1SMA5937	937A	31.35	33	34.65	11.4	33.0	800	0.25	0.5	25.1	45
1SMA5938	938A	34.20	36	37.80	10.4	38.0	850	0.25	0.5	27.4	42
1SMA5939	939A	37.05	39	40.95	9.6	45.0	900	0.25	0.5	29.7	38
1SMA5940	940A	40.85	43	45.15	8.7	53.0	950	0.25	0.5	32.7	35
1SMA5941	941A	44.65	47	49.35	8.0	67.0	1000	0.25	0.5	35.8	32
1SMA5942	942A	48.45	51	53.55	7.3	70.0	1100	0.25	0.5	38.8	29
1SMA5943	943A	53.20	56	58.80	6.7	86.0	1300	0.25	0.5	42.6	27
1SMA5944	944A	58.90	62	65.10	6.0	100.0	1500	0.25	0.5	47.1	24
1SMA5945	945A	64.60	68	71.40	5.5	120.0	1700	0.25	0.5	51.7	22
1SMA5946	946A	71.25	75	78.75	5.0	140.0	2000	0.25	0.5	56.0	20
1SMA5947	947A	77.90	82	86.10	4.6	160.0	2500	0.25	0.5	62.2	18
1SMA5948	948A	86.45	91	95.55	4.1	200.0	3000	0.25	0.5	69.2	16
1SMA5949	949A	95.00	100	105.00	3.7	250.0	3100	0.25	0.5	76.0	15
1SMA5950	950A	104.50	110	115.50	3.4	300.0	4000	0.25	0.5	83.6	13
1SMA5951	951A	114.00	120	126.00	3.1	360.0	4500	0.25	0.5	91.2	12
1SMA5952	952A	123.50	130	136.50	2.9	450.0	5000	0.25	0.5	98.8	11
1SMA5953	953A	142.50	150	157.50	2.5	600.0	6000	0.25	0.5	114.0	10
1SMA5954	954A	152.00	160	168.00	2.3	700.0	6500	0.25	0.5	121.6	9
1SMA5955	955A	171.00	180	189.00	2.1	900.0	7000	0.25	0.5	136.8	8
1SMA5956	956A	190.00	200	210.00	1.9	1200.0	8000	0.25	0.5	152.0	7

ZENER DIODES

Part No.	Device Marking Code	Zener Voltage			Test Current	Maximum Zener Impedance			Leakage Current		Maximum DC Zener Current
		V_Z @ I_{ZT} (Volts)			I_{ZT}	Z_{ZT} @ I_{ZT}	Z_{ZK} @ I_{ZK}		I_R @ V_R		I_{ZM}
		Min	Nom	Max	mA	Ohms	Ohms	mA	uA	Volts	mA (DC)
1SMB5926	926B	10.45	11	11.55	34.1	5.5	550	0.25	1	8.4	136
1SMB5927	927B	11.40	12	12.60	31.2	6.5	550	0.25	1	9.1	125
1SMB5928	928B	12.35	13	13.65	28.8	7.0	550	0.25	1	9.9	115
1SMB5929	929B	14.25	15	15.75	25.0	9.0	600	0.25	1	11.4	100
1SMB5930	930B	15.20	16	16.80	23.4	10.0	600	0.25	1	12.2	94
1SMB5931	931B	17.10	18	18.90	20.8	12.0	650	0.25	1	13.7	83
1SMB5932	932B	19.00	20	21.00	18.7	14.0	650	0.25	1	15.2	75
1SMB5933	933B	20.90	22	23.10	17.0	17.5	650	0.25	1	16.7	68
1SMB5934	934B	22.80	24	25.20	15.6	19	700	0.25	1	18.2	63
1SMB5935	935B	25.65	27	28.35	13.9	23	700	0.25	1	20.6	56
1SMB5936	936B	28.50	30	31.50	12.5	26	750	0.25	1	22.8	50
1SMB5937	937B	31.35	33	34.65	11.4	33	800	0.25	1	25.1	45
1SMB5938	938B	34.20	36	37.80	10.4	38	850	0.25	1	27.4	42
1SMB5939	939B	37.05	39	40.95	9.6	45	900	0.25	1	29.7	38
1SMB5940	940B	40.85	43	45.15	8.7	53	950	0.25	1	32.7	35
1SMB5941	941B	44.65	47	49.35	8.0	67	1000	0.25	1	35.8	32
1SMB5942	942B	48.45	51	53.55	7.3	70	1100	0.25	1	38.8	29
1SMB5943	943B	53.20	56	58.80	6.7	86	1300	0.25	1	42.6	27
1SMB5944	944B	58.90	62	65.10	6.0	100	1500	0.25	1	47.1	24
1SMB5945	945B	64.60	68	71.40	5.5	120	1700	0.25	1	51.7	22
1SMB5946	946B	71.25	75	78.75	5.0	140	2000	0.25	1	56.0	20
1SMB5947	947B	77.90	82	86.10	4.6	160	2500	0.25	1	62.2	18
1SMB5948	948B	86.45	91	95.55	4.1	200	3000	0.25	1	69.2	16
1SMB5949	949B	95.00	100	105.00	3.7	250	3100	0.25	1	76.0	15
1SMB5950	950B	104.50	110	115.50	3.4	300	4000	0.25	1	83.6	13
1SMB5951	951B	114.00	120	126.00	3.1	360	4500	0.25	1	91.2	12
1SMB5952	952B	123.50	130	136.50	2.9	450	5000	0.25	1	98.8	11
1SMB5953	953B	142.50	150	157.50	2.5	600	6000	0.25	1	114.0	10
1SMB5954	954B	152.00	160	168.00	2.3	700	6500	0.25	1	121.6	9
1SMB5955	955B	171.00	180	189.00	2.1	900	7000	0.25	1	136.8	8
1SMB5956	956B	190.00	200	210.00	1.9	1200	8000	0.25	1	152.0	7

TAIWAN SEMICONDUCTOR
The Smartest Choice

ZENER DIODES

Part No.	Nominal Zener Voltage	Test Current	Maximum Zener Impedance			Leakage Current		Surge Current
	V_Z @ I_{ZT}	I_{ZT}	Z_{ZT} @ I_{ZT}	Z_{ZK} @ I_{ZK}		I_R @ V_R		@ T_A = 25ºC
	Volts	mA	Ohms	Ohms	mA	uA Max	Volts	I_R (mA)
1N4740A	10	25.0	7	700	0.25	10	7.6	454
1N4741A	11	23.0	8	700	0.25	5	8.4	414
1N4742A	12	21.0	9	700	0.25	5	9.1	380
1N4743A	13	19.0	10	700	0.25	5	9.9	344
1N4744A	15	17.0	14	700	0.25	5	11.4	304
1N4745A	16	15.5	16	700	0.25	5	12.2	285
1N4746A	18	14.0	20	750	0.25	5	13.7	250
1N4747A	20	12.5	22	750	0.25	5	15.2	225
1N4748A	22	11.5	23	750	0.25	5	16.7	205
1N4749A	24	10.5	25	750	0.25	5	18.2	190
1N4750A	27	9.5	35	750	0.25	5	20.6	170
1N4751A	30	8.5	40	1000	0.25	5	22.8	150
1N4752A	33	7.5	45	1000	0.25	5	25.1	135
1N4753A	36	7.0	50	1000	0.25	5	27.4	125
1N4754A	39	6.5	60	1000	0.25	5	29.7	115
1N4755A	43	6.0	70	1500	0.25	5	32.7	110
1N4756A	47	5.5	80	1500	0.25	5	35.8	95
1N4757A	51	5.0	95	1500	0.25	5	38.8	90
1N4758A	56	4.5	110	2000	0.25	5	42.6	80
1N4759A	62	4.0	125	2000	0.25	5	47.1	70
1N4760A	68	3.7	150	2000	0.25	5	51.7	65
1N4761A	75	3.3	175	2000	0.25	5	56.0	60
1N4762A	82	3.0	200	3000	0.25	5	62.2	55
1N4763A	91	2.8	250	3000	0.25	5	69.2	50
1N4764A	100	2.5	350	3000	0.25	5	76.0	45
1M110Z	110	2.3	450	4000	0.25	5	83.6	-
1M120Z	120	2.0	550	4500	0.25	5	91.2	-
1M130Z	130	1.9	700	5000	0.25	5	98.8	-
1M150Z	150	1.7	1000	6000	0.25	5	114.0	-
1M160Z	160	1.6	1100	6500	0.25	5	121.6	-
1M180Z	180	1.4	1200	7000	0.25	5	136.8	-
1M200Z	200	1.2	1500	8000	0.25	5	152.0	-

ZENER DIODES

Part No.	Nominal Zener Voltage	Test Current	Maximum Zener Impedance			Leakage Current		Max. Zener Current	Surge Current
	V_Z @ I_{ZT}	I_{ZT}	Z_{ZT} @ I_{ZT}	Z_{ZK} @ I_{ZK}		I_R @ V_R		I_{ZM}	@ T_A = 25ºC
	Volts	mA	Ohms	Ohms	mA	uA Max	Volts	mA	I_R (mA)
2M6.8Z	6.8	100	1.5	200	1.00	1.0	5.5	246	-
2M11Z	11	45.5	4.0	700	0.25	1.0	8.4	166	1.82
2M12Z	12	41.5	4.5	700	0.25	1.0	9.1	152	1.66
2M13Z	13	38.5	5.0	700	0.25	0.5	9.9	138	1.54
2M14Z	14	35.7	5.5	700	0.25	0.5	10.6	130	1.43
2M15Z	15	33.4	7.0	700	0.25	0.5	11.4	122	1.33
2M16Z	16	31.2	8.0	700	0.25	0.5	12.2	114	1.25
2M17Z	17	29.4	9.0	750	0.25	0.5	13.0	107	1.18
2M18Z	18	27.8	10	750	0.25	0.5	13.7	100	1.11
2M19Z	19	26.3	11	750	0.25	0.5	14.4	95	1.05
2M20Z	20	25.0	11	750	0.25	0.5	15.2	90	1.00
2M22Z	22	22.8	12	750	0.25	0.5	16.7	82	0.91
2M24Z	24	20.8	13	750	0.25	0.5	18.2	76	0.83
2M27Z	27	18.5	18	750	0.25	0.5	20.6	68	0.74
2M30Z	30	16.6	20	1000	0.25	0.5	22.8	60	0.67
2M33Z	33	15.1	23	1000	0.25	0.5	25.1	55	0.61
2M36Z	36	13.9	25	1000	0.25	0.5	27.4	50	0.56
2M39Z	39	12.8	30	1000	0.25	0.5	29.7	47	0.51
2M43Z	43	11.6	35	1500	0.25	0.5	32.7	43	0.45
2M47Z	47	10.6	40	1500	0.25	0.5	35.8	39	0.42
2M51Z	51	9.8	48	1500	0.25	0.5	38.8	36	0.39
2M56Z	56	9.0	55	2000	0.25	0.5	42.6	32	0.36
2M62Z	62	8.1	60	2000	0.25	0.5	47.1	29	0.32
2M68Z	68	7.4	75	2000	0.25	0.5	51.7	27	0.29
2M75Z	75	6.7	90	2000	0.25	0.5	56.0	24	0.27
2M82Z	82	6.1	100	3000	0.25	0.5	62.2	22	0.24
2M91Z	91	5.5	125	3000	0.25	0.5	69.2	20	0.22
2M100Z	100	5.0	175	3000	0.25	0.5	76.0	18	0.20
2M110Z	110	4.5	250	4000	0.25	0.5	83.6	17	0.18
2M120Z	120	4.2	325	4500	0.25	0.5	91.2	15	0.16
2M130Z	130	3.8	400	5000	0.25	0.5	98.8	14	0.15
2M140Z	140	3.6	500	5500	0.25	0.5	106.4	13	0.14
2M150Z	150	3.3	575	6000	0.25	0.5	114.0	12	0.13
2M160Z	160	3.1	650	6500	0.25	0.5	121.6	11	0.12
2M170Z	170	2.9	675	7000	0.25	0.5	130.4	11	0.12
2M180Z	180	2.8	725	7000	0.25	0.5	136.8	10	0.11
2M190Z	190	2.6	825	8000	0.25	0.5	144.8	10	0.10
2M200Z	200	2.5	900	8000	0.25	0.5	152.0	9	0.10

TAIWAN SEMICONDUCTOR
The Smartest Choice

THYRISTORS

Part No.	V_{DRM} & V_{RRM}	I_{TSM}	P_{GM}	V_{GRM}	I_{DRM} & I_{RRM}	V_{TM}	I_{GFM}	Package	Arrays
	(V)	(A)	(W)	(V)	(μA)	(V)	(A)		
BT134T	600	27	5	5	-	-	-	TO-126	T1T2G
MCR100-3	100	10	0.1	5	10	1.7	1	TO-92	KGA
MCR100-4	200	10	0.1	5	10	1.7	1	TO-92	KGA
MCR100-4U	200	10	0.1	5	10	1.7	1	SOT-89	GAK
MCR100-5	300	10	0.1	5	10	1.7	1	TO-92	KGA
MCR100-6	400	10	0.1	5	10	1.7	1	TO-92	KGA
MCR100-6U	400	10	0.1	5	10	1.7	1	SOT-89	GAK
MCR100-7	500	10	0.1	5	10	1.7	1	TO-92	KGA
MCR100-8	600	10	0.1	5	10	1.7	1	TO-92	KGA
MCR100-8U	600	10	0.1	5	10	1.7	1	SOT-89	GAK

DIACS

Part No.	Absolute Max. Rating (Ta= 25ºC)						Electrical Characteristics (Ta= 25ºC)							Case Type
	VBO	+/- VBO	IBO	P_D	I_{FRM}		IBO(uA) Max.		I_R(uA) Max.		C_J(pF) Typ.			
	(V)	(V)	(mA)	mW	(A)	@mS		C_J(pF)		V_R(V)		V_R(V)	f (MHz)	
DB3	32	2	5	150	2	0.02	100	22	10	0.5	22	0	1	DO-35
DB3TG	32	3	5	150	2	0.02	15	22	10	0.5	22	0	1	DO-35
LLDB3	32	2	5	150	2	0.02	100	22	10	0.5	22	0	1	MMELF
LLDB3TG	32	3	5	150	2	0.02	15	22	10	0.5	22	0	1	MMELF

FAST GLASS PASSIVATED BRIDGE RECTIFIERS

Part No.	V_{RM}	Io	I_{FSM}	Trr	V_F (V) max	I_R (uA) max.		Typical	Temp Range	Package
	(V)	(A)	(A)	(nS)	T_A=25ºC	T_A=25ºC	T_A=125ºC	$R\theta_{JA}$ (ºC/W)	T_j (ºC)	
RMB2S	200	0.8	30	150	1	5	100	85	150	MBS
RMB4S	400	0.8	30	150	1	5	100	85	150	MBS
RMB6S	600	0.8	30	150	1	5	100	85	150	MBS
HDBL101G	50	1	50	50	1	5	500	40	150	DBL
HDBL102G	100	1	50	50	1	5	500	40	150	DBL
HDBL103G	200	1	50	50	1	5	500	40	150	DBL
HDBL104G	400	1	50	50	1.3	5	500	40	150	DBL
HDBL105G	600	1	50	75	1.7	5	500	40	150	DBL
HDBL106G	800	1	50	75	1.7	5	500	40	150	DBL
HDBL107G	1000	1	50	75	1.7	5	500	40	150	DBL
HDBLS101G	50	1	50	50	1	5	500	40	150	DBLS
HDBLS102G	100	1	50	50	1	5	500	40	150	DBLS
HDBLS103G	200	1	50	50	1	5	500	40	150	DBLS
HDBLS104G	400	1	50	50	1.3	5	500	40	150	DBLS
HDBLS105G	600	1	50	75	1.7	5	500	40	150	DBLS
HDBLS106G	800	1	50	75	1.7	5	500	40	150	DBLS
HDBLS107G	1000	1	50	75	1.7	5	500	40	150	DBLS
TSS4B01G	50	4	150	35	0.98	5	500	5.5 (RθJC)	150	TS4B
TSS4B02G	100	4	150	35	0.98	5	500	5.5 (RθJC)	150	TS4B
TSS4B03G	200	4	150	35	0.98	5	500	5.5 (RθJC)	150	TS4B
TSS4B04G	400	4	150	50	1.3	5	500	5.5 (RθJC)	150	TS4B

STANDARD GLASS PASSIVATED BRIDGE RECTIFIERS

Part No.	V_{RM}	Io	I_{FSM}	V_F (V) max	I_R (uA) max.		Typical (ºC/W)	Temp Range	Package
	(V)	(A)	(A)	T_A=25ºC	T_A=25ºC	T_A=125ºC	$R\theta_{JA}$ / $R\theta_{JL}$	T_j (ºC)	
MBS2	200	0.8	35	1	5	100	85 / 20	150	MBS
MBS4	400	0.8	35	1	5	100	85 / 20	150	MBS
MBS6	600	0.8	35	1	5	100	85 / 20	150	MBS
MBS8	800	0.8	35	1	5	100	85 / 20	150	MBS
MBS10	1000	0.8	35	1	5	100	85 / 20	150	MBS
ABS2	200	1	30	0.95	10	-	80 / 25	150	ABS
ABS4	400	1	30	0.95	10	-	80 / 25	150	ABS
ABS6	600	1	30	0.95	10	-	80 / 25	150	ABS
ABS8	800	1	30	0.95	10	-	80 / 25	150	ABS
ABS10	1000	1	30	0.95	10	-	80 / 25	150	ABS
DBLS101G	50	1	40	1.1	10	500	40 / 15	150	DBLS
DBLS102G	100	1	40	1.1	10	500	40 / 15	150	DBLS
DBLS103G	200	1	40	1.1	10	500	40 / 15	150	DBLS
DBLS104G	400	1	40	1.1	10	500	40 / 15	150	DBLS
DBLS105G	600	1	40	1.1	10	500	40 / 15	150	DBLS
DBLS106G	800	1	30	1.1	10	500	40 / 15	150	DBLS
DBLS107G	1000	1	30	1.1	10	500	40 / 15	150	DBLS
DBLS151G	50	1.5	50	1.1	5	500	40 / 15	150	DBLS
DBLS152G	100	1.5	50	1.1	5	500	40 / 15	150	DBLS
DBLS153G	200	1.5	50	1.1	5	500	40 / 15	150	DBLS
DBLS154G	400	1.5	50	1.1	5	500	40 / 15	150	DBLS
DBLS155G	600	1.5	50	1.1	5	500	40 / 15	150	DBLS
DBLS156G	800	1.5	50	1.1	5	500	40 / 15	150	DBLS
DBLS157G	1000	1.5	50	1.1	5	500	40 / 15	150	DBLS
DBLS158G	1200	1.5	50	1.25	5	500	40 / 15	150	DBLS
DBLS159G	1400	1.5	50	1.25	5	500	40 / 15	150	DBLS
DBLS201G	50	2.0	50	1.15	10	500	40 / 15	150	DBLS
DBLS202G	100	2.0	50	1.15	10	500	40 / 15	150	DBLS
DBLS203G	200	2.0	50	1.15	10	500	40 / 15	150	DBLS
DBLS204G	400	2.0	50	1.15	10	500	40 / 15	150	DBLS
DBLS205G	600	2.0	50	1.15	10	500	40 / 15	150	DBLS
DBLS206G	800	2.0	50	1.15	10	500	40 / 15	150	DBLS
DBLS207G	1000	2.0	50	1.15	10	500	40 / 15	150	DBLS
DBLS208G	1200	2.0	50	1.3	10	500	40 / 15	150	DBLS
DBLS209G	1400	2.0	50	1.3	10	500	40 / 15	150	DBLS
DBL101G	50	1	40	1.1	10	500	40 / 15	150	DBL
DBL102G	100	1	40	1.1	10	500	40 / 15	150	DBL
DBL103G	200	1	40	1.1	10	500	40 / 15	150	DBL
DBL104G	400	1	40	1.1	10	500	40 / 15	150	DBL
DBL105G	600	1	40	1.1	10	500	40 / 15	150	DBL
DBL106G	800	1	30	1.1	10	500	40 / 15	150	DBL
DBL107G	1000	1	30	1.1	10	500	40 / 15	150	DBL

STANDARD GLASS PASSIVATED BRIDGE RECTIFIERS

Part No.	V_{RM}	Io	I_{FSM}	V_F (V) max	I_R (uA) max.		Typical (ºC/W)	Temp Range	Package
	(V)	(A)	(A)	T_A=25ºC	T_A=25ºC	T_A=125ºC	$R\theta_{JA}$ / $R\theta_{JL}$	T_j (ºC)	
DBL151G	50	1.5	50	1.1	10	500	40 / 15	150	DBL
DBL152G	100	1.5	50	1.1	10	500	40 / 15	150	DBL
DBL153G	200	1.5	50	1.1	10	500	40 / 15	150	DBL
DBL154G	400	1.5	50	1.1	10	500	40 / 15	150	DBL
DBL155G	600	1.5	50	1.1	10	500	40 / 15	150	DBL
DBL156G	800	1.5	50	1.1	10	500	40 / 15	150	DBL
DBL157G	1000	1.5	50	1.1	10	500	40 / 15	150	DBL
DBL158G	1200	1.5	50	1.25	10	500	40 / 15	150	DBL
DBL159G	1400	1.5	50	1.25	10	500	40 / 15	150	DBL
DBL201G	50	2.0	50	1.15	10	500	40 / 15	150	DBL
DBL202G	100	2.0	50	1.15	10	500	40 / 15	150	DBL
DBL203G	200	2.0	50	1.15	10	500	40 / 15	150	DBL
DBL204G	400	2.0	50	1.15	10	500	40 / 15	150	DBL
DBL205G	600	2.0	50	1.15	10	500	40 / 15	150	DBL
DBL206G	800	2.0	50	1.15	10	500	40 / 15	150	DBL
DBL207G	1000	2.0	50	1.15	10	500	40 / 15	150	DBL
DBL208G	1200	2.0	50	1.3	10	500	40 / 15	150	DBL
DBL209G	1400	2.0	50	1.3	10	500	40 / 15	150	DBL
KBP101G	50	1	30	1	10	500	28 / 10	150	KBP
KBP102G	100	1	30	1	10	500	28 / 10	150	KBP
KBP103G	200	1	30	1	10	500	28 / 10	150	KBP
KBP104G	400	1	30	1	10	500	28 / 10	150	KBP
KBP105G	600	1	30	1	10	500	28 / 10	150	KBP
KBP106G	800	1	30	1	10	500	28 / 10	150	KBP
KBP107G	1000	1	30	1	10	500	28 / 10	150	KBP
KBP151G	50	1.5	50	1	10	500	40 / 13	150	KBP
KBP152G	100	1.5	50	1	10	500	40 / 13	150	KBP
KBP153G	200	1.5	50	1	10	500	40 / 13	150	KBP
KBP154G	400	1.5	50	1	10	500	40 / 13	150	KBP
KBP155G	600	1.5	50	1	10	500	40 / 13	150	KBP
KBP156G	800	1.5	50	1	10	500	40 / 13	150	KBP
KBP157G	1000	1.5	50	1	10	500	40 / 13	150	KBP
KBP201G	50	2	60	1.2	10	500	25 / 8	150	KBP
KBP202G	100	2	60	1.2	10	500	25 / 8	150	KBP
KBP203G	200	2	60	1.2	10	500	25 / 8	150	KBP
KBP204G	400	2	60	1.2	10	500	25 / 8	150	KBP
KBP205G	600	2	60	1.2	10	500	25 / 8	150	KBP
KBP206G	800	2	60	1.2	10	500	25 / 8	150	KBP
KBP207G	1000	2	60	1.2	10	500	25 / 8	150	KBP
UR2KB60	600	2	62	1.05	10	500	2.3 RθJC	150	D3K
UR2KB80	800	2	62	1.05	10	500	2.3 RθJC	150	D3K
UR2KB100	1000	2	62	1.05	10	500	2.3 RθJC	150	D3K

STANDARD GLASS PASSIVATED BRIDGE RECTIFIERS

Part No.	V_{RM}	Io	I_{FSM}	V_F (V) max	I_R (uA) max.		Typical (ºC/W)	Temp Range	Package
	(V)	(A)	(A)	T_A=25ºC	T_A=25ºC	T_A=125ºC	$R\theta_{JA}$ / $R\theta_{JL}$	T_j (ºC)	
D2SB05	50	2	80	1.1	10	500	47 / 10	150	GBL
D2SB10	100	2	80	1.1	10	500	47 / 10	150	GBL
D2SB20	200	2	80	1.1	10	500	47 / 10	150	GBL
D2SB40	400	2	80	1.1	10	500	47 / 10	150	GBL
D2SB60	600	2	80	1.1	10	500	47 / 10	150	GBL
D2SB80	800	2	80	1.1	10	500	47 / 10	150	GBL
GBL201	50	2	60	1	5	500	32 / 13	150	GBL
GBL202	100	2	60	1	5	500	32 / 13	150	GBL
GBL203	200	2	60	1	5	500	32 / 13	150	GBL
GBL204	400	2	60	1	5	500	32 / 13	150	GBL
GBL205	600	2	60	1	5	500	32 / 13	150	GBL
GBL206	800	2	60	1	5	500	32 / 13	150	GBL
GBL207	1000	2	60	1	5	500	32 / 13	150	GBL
KBP301G	50	3	80	1.1	10	500	30 / 11	150	KBP
KBP302G	100	3	80	1.1	10	500	30 / 11	150	KBP
KBP303G	200	3	80	1.1	10	500	30 / 11	150	KBP
KBP304G	400	3	80	1.1	10	500	30 / 11	150	KBP
KBP305G	600	3	80	1.1	10	500	30 / 11	150	KBP
KBP306G	800	3	80	1.1	10	500	30 / 11	150	KBP
KBP307G	1000	3	80	1.1	10	500	30 / 11	150	KBP
UR3KB60	600	3	90	1	10	500	5.2 RθJC	150	D3K
UR3KB80	800	3	90	1	10	500	5.2 RθJC	150	D3K
UR3KB100	1000	3	90	1	10	500	5.2 RθJC	150	D3K
UR4KB60	600	4	135	1	10	500	8.2 RθJC	150	D3K
UR4KB80	800	4	135	1	10	500	8.2 RθJC	150	D3K
UR4KB100	1000	4	135	1	10	500	8.2 RθJC	150	D3K
GBLA005	50	4	120	1	5	500	47 / 10	150	GBL
GBLA01	100	4	120	1	5	500	47 / 10	150	GBL
GBLA02	200	4	120	1	5	500	47 / 10	150	GBL
GBLA04	400	4	120	1	5	500	47 / 10	150	GBL
GBLA06	600	4	120	1	5	500	47 / 10	150	GBL
GBLA08	800	4	120	1	5	500	47 / 10	150	GBL
GBLA10	1000	4	120	1	5	500	47 / 10	150	GBL
GBL005	50	4	150	1	5	500	8 RθJC	150	GBL
GBL01	100	4	150	1	5	500	8 RθJC	150	GBL
GBL02	200	4	150	1	5	500	8 RθJC	150	GBL
GBL04	400	4	150	1	5	500	8 RθJC	150	GBL
GBL06	600	4	150	1	5	500	8 RθJC	150	GBL
GBL08	800	4	150	1	5	500	8 RθJC	150	GBL
GBL10	1000	4	150	1	5	500	8 RθJC	150	GBL
GBU401	50	4	150	1	5	500	4 RθJC	150	GBU
GBU402	100	4	150	1	5	500	4 RθJC	150	GBU

STANDARD GLASS PASSIVATED BRIDGE RECTIFIERS

Part No.	V_{RM}	Io	I_{FSM}	V_F (V) max	I_R (uA) max.		Typical	Temp Range	Package
	(V)	(A)	(A)	T_A=25ºC	T_A=25ºC	T_A=125ºC	$R\theta_{JC}$(ºC/W)	T_j (ºC)	
GBU403	200	4	150	1	5	500	4.0	150	GBU
GBU404	400	4	150	1	5	500	4.0	150	GBU
GBU405	600	4	150	1	5	500	4.0	150	GBU
GBU406	800	4	150	1	5	500	4.0	150	GBU
GBU407	1000	4	150	1	5	500	4.0	150	GBU
TS4B01G	50	4	120	1	5	500	5.5	150	TS4B
TS4B02G	100	4	120	1	5	500	5.5	150	TS4B
TS4B03G	200	4	120	1	5	500	5.5	150	TS4B
TS4B04G	400	4	120	1	5	500	5.5	150	TS4B
TS4B05G	600	4	120	1	5	500	5.5	150	TS4B
TS4B06G	800	4	120	1	5	500	5.5	150	TS4B
TS4B07G	1000	4	120	1	5	500	5.5	150	TS4B
TS4K40	400	4	120	1	10	500	5.5	150	TS4K(KBJ)
TS4K60	600	4	120	1	10	500	5.5	150	TS4K(KBJ)
TS4K80	800	4	120	1	10	500	5.5	150	TS4K(KBJ)
GBU601	50	6	175	1	5	500	2.0	150	GBU
GBU602	100	6	175	1	5	500	2.0	150	GBU
GBU603	200	6	175	1	5	500	2.0	150	GBU
GBU604	400	6	175	1	5	500	2.0	150	GBU
GBU605	600	6	175	1	5	500	2.0	150	GBU
GBU606	800	6	175	1	5	500	2.0	150	GBU
GBU607	1000	6	175	1	5	500	2.0	150	GBU
TS6B01G	50	6	150	1	5	500	1.5	150	TS4B
TS6B02G	100	6	150	1	5	500	1.5	150	TS4B
TS6B03G	200	6	150	1	5	500	1.5	150	TS4B
TS6B04G	400	6	150	1	5	500	1.5	150	TS4B
TS6B05G	600	6	150	1	5	500	1.5	150	TS4B
TS6B06G	800	6	150	1	5	500	1.5	150	TS4B
TS6B07G	1000	6	150	1	5	500	1.5	150	TS4B
TS6K40	400	6	150	1	5	500	3	150	TS4K(KBJ)
TS6K60	600	6	150	1	5	500	3	150	TS4K(KBJ)
TS6K80	800	6	150	1	5	500	3	150	TS4K(KBJ)
TS6P01G	50	6	150	1.1	10	500	1.8	150	TS6P
TS6P02G	100	6	150	1.1	10	500	1.8	150	TS6P
TS6P03G	200	6	150	1.1	10	500	1.8	150	TS6P
TS6P04G	400	6	150	1.1	10	500	1.8	150	TS6P
TS6P05G	600	6	150	1.1	10	500	1.8	150	TS6P
TS6P06G	800	6	150	1.1	10	500	1.8	150	TS6P
TS6P07G	1000	6	150	1.1	10	500	1.8	150	TS6P
GBU801	50	8	200	1	5	500	2.0	150	GBU
GBU802	100	8	200	1	5	500	2.0	150	GBU
GBU803	200	8	200	1	5	500	2.0	150	GBU

STANDARD GLASS PASSIVATED BRIDGE RECTIFIERS

Part No.	V_{RM}	Io	I_{FSM}	V_F (V) max	I_R (uA) max.		Typical	Temp Range	Package
	(V)	(A)	(A)	T_A=25ºC	T_A=25ºC	T_A=125ºC	$R\theta_{JC}$(ºC/W)	T_j (ºC)	
GBU804	400	8	200	1	5	500	2.0	150	GBU
GBU805	600	8	200	1	5	500	2.0	150	GBU
GBU806	800	8	200	1	5	500	2.0	150	GBU
GBU807	1000	8	200	1	5	500	2.0	150	GBU
TS8P01G	50	8	200	1.1	10	500	1.6	150	TS6P
TS8P02G	100	8	200	1.1	10	500	1.6	150	TS6P
TS8P03G	200	8	200	1.1	10	500	1.6	150	TS6P
TS8P04G	400	8	200	1.1	10	500	1.6	150	TS6P
TS8P05G	600	8	200	1.1	10	500	1.6	150	TS6P
TS8P06G	800	8	200	1.1	10	500	1.6	150	TS6P
TS8P07G	1000	8	200	1.1	10	500	1.6	150	TS6P
GBU1001	50	10	220	1.1	5	500	2.0	150	GBU
GBU1002	100	10	220	1.1	5	500	2.0	150	GBU
GBU1003	200	10	220	1.1	5	500	2.0	150	GBU
GBU1004	400	10	220	1.1	5	500	2.0	150	GBU
GBU1005	600	10	220	1.1	5	500	2.0	150	GBU
GBU1006	800	10	220	1.1	5	500	2.0	150	GBU
GBU1007	1000	10	220	1.1	5	500	2.0	150	GBU
TS10B01G	50	10	150	1.1	5	500	1.4	150	TS4B
TS10B02G	100	10	150	1.1	5	500	1.4	150	TS4B
TS10B03G	200	10	150	1.1	5	500	1.4	150	TS4B
TS10B04G	400	10	150	1.1	5	500	1.4	150	TS4B
TS10B05G	600	10	150	1.1	5	500	1.4	150	TS4B
TS10B06G	800	10	150	1.1	5	500	1.4	150	TS4B
TS10B07G	1000	10	150	1.1	5	500	1.4	150	TS4B
TS10K40	400	10	150	1	10	500	2.3	150	TS4K(KBJ)
TS10K60	600	10	150	1	10	500	2.3	150	TS4K(KBJ)
TS10K80	800	10	150	1	10	500	2.3	150	TS4K(KBJ)
TS10P01G	50	10	200	1.1	10	500	1.4	150	TS6P
TS10P02G	100	10	200	1.1	10	500	1.4	150	TS6P
TS10P03G	200	10	200	1.1	10	500	1.4	150	TS6P
TS10P04G	400	10	200	1.1	10	500	1.4	150	TS6P
TS10P05G	600	10	200	1.1	10	500	1.4	150	TS6P
TS10P06G	800	10	200	1.1	10	500	1.4	150	TS6P
TS10P07G	1000	10	200	1.1	10	500	1.4	150	TS6P
TS15P01G	50	15	240	1.1	10	500	0.8	150	TS6P
TS15P02G	100	15	240	1.1	10	500	0.8	150	TS6P
TS15P03G	200	15	240	1.1	10	500	0.8	150	TS6P
TS15P04G	400	15	240	1.1	10	500	0.8	150	TS6P
TS15P05G	600	15	240	1.1	10	500	0.8	150	TS6P
TS15P06G	800	15	240	1.1	10	500	0.8	150	TS6P
TS15P07G	1000	15	240	1.1	10	500	0.8	150	TS6P

STANDARD GLASS PASSIVATED BRIDGE RECTIFIERS

Part No.	V_{RM} (V)	Io (A)	I_{FSM} (A)	V_F (V) max T_A=25ºC	I_R (uA) max. T_A=25ºC	T_A=125ºC	Typical $R\theta_{JC}$(ºC/W)	Temp Range T_j (ºC)	Package
TS20P01G	50	20	250	1.1	10	500	0.8	150	TS6P
TS20P02G	100	20	250	1.1	10	500	0.8	150	TS6P
TS20P03G	200	20	250	1.1	10	500	0.8	150	TS6P
TS20P04G	400	20	250	1.1	10	500	0.8	150	TS6P
TS20P05G	600	20	250	1.1	10	500	0.8	150	TS6P
TS20P06G	800	20	250	1.1	10	500	0.8	150	TS6P
TS20P07G	1000	20	250	1.1	10	500	0.8	150	TS6P
TS25P01G	50	25	350	1.1	10	500	0.6	150	TS6P
TS25P02G	100	25	350	1.1	10	500	0.6	150	TS6P
TS25P03G	200	25	350	1.1	10	500	0.6	150	TS6P
TS25P04G	400	25	350	1.1	10	500	0.6	150	TS6P
TS25P05G	600	25	350	1.1	10	500	0.6	150	TS6P
TS25P06G	800	25	350	1.1	10	500	0.6	150	TS6P
TS25P07G	1000	25	350	1.1	10	500	0.6	150	TS6P
GBPC15005	50	15	300	1.1	5	500	1.5	150	GBPC
GBPC1501	100	15	300	1.1	5	500	1.5	150	GBPC
GBPC1502	200	15	300	1.1	5	500	1.5	150	GBPC
GBPC1504	400	15	300	1.1	5	500	1.5	150	GBPC
GBPC1506	600	15	300	1.1	5	500	1.5	150	GBPC
GBPC1508	800	15	300	1.1	5	500	1.5	150	GBPC
GBPC1510	1000	15	300	1.1	5	500	1.5	150	GBPC
GBPC15005M	50	15	300	1.1	5	500	1.5	150	GBPC-M
GBPC1501M	100	15	300	1.1	5	500	1.5	150	GBPC-M
GBPC1502M	200	15	300	1.1	5	500	1.5	150	GBPC-M
GBPC1504M	400	15	300	1.1	5	500	1.5	150	GBPC-M
GBPC1506M	600	15	300	1.1	5	500	1.5	150	GBPC-M
GBPC1508M	800	15	300	1.1	5	500	1.5	150	GBPC-M
GBPC1510M	1000	15	300	1.1	5	500	1.5	150	GBPC-M
GBPC15005W	50	15	300	1.1	5	500	1.5	150	GBPC-W
GBPC1501W	100	15	300	1.1	5	500	1.5	150	GBPC-W
GBPC1502W	200	15	300	1.1	5	500	1.5	150	GBPC-W
GBPC1504W	400	15	300	1.1	5	500	1.5	150	GBPC-W
GBPC1506W	600	15	300	1.1	5	500	1.5	150	GBPC-W
GBPC1508W	800	15	300	1.1	5	500	1.5	150	GBPC-W
GBPC1510W	1000	15	300	1.1	5	500	1.5	150	GBPC-W
GBPC25005	50	25	300	1.1	5	500	1.5	150	GBPC
GBPC2501	100	25	300	1.1	5	500	1.5	150	GBPC
GBPC2502	200	25	300	1.1	5	500	1.5	150	GBPC
GBPC2504	400	25	300	1.1	5	500	1.5	150	GBPC
GBPC2506	600	25	300	1.1	5	500	1.5	150	GBPC
GBPC2508	800	25	300	1.1	5	500	1.5	150	GBPC
GBPC2510	1000	25	300	1.1	5	500	1.5	150	GBPC

TAIWAN SEMICONDUCTOR
The Smartest Choice

STANDARD GLASS PASSIVATED BRIDGE RECTIFIERS

Part No.	V_{RM} (V)	Io (A)	I_{FSM} (A)	V_F (V) max T_A=25ºC	I_R (uA) max. T_A=25ºC	T_A=125ºC	Typical $R\theta_{JC}$(ºC/W)	Temp Range T_j (ºC)	Package
GBPC25005M	50	25	300	1.1	5	500	1.5	150	GBPC-M
GBPC2501M	100	25	300	1.1	5	500	1.5	150	GBPC-M
GBPC2502M	200	25	300	1.1	5	500	1.5	150	GBPC-M
GBPC2504M	400	25	300	1.1	5	500	1.5	150	GBPC-M
GBPC2506M	600	25	300	1.1	5	500	1.5	150	GBPC-M
GBPC2508M	800	25	300	1.1	5	500	1.5	150	GBPC-M
GBPC2510M	1000	25	300	1.1	5	500	1.5	150	GBPC-M
GBPC25005W	50	25	300	1.1	5	500	1.5	150	GBPC-W
GBPC2501W	100	25	300	1.1	5	500	1.5	150	GBPC-W
GBPC2502W	200	25	300	1.1	5	500	1.5	150	GBPC-W
GBPC2504W	400	25	300	1.1	5	500	1.5	150	GBPC-W
GBPC2506W	600	25	300	1.1	5	500	1.5	150	GBPC-W
GBPC2508W	800	25	300	1.1	5	500	1.5	150	GBPC-W
GBPC2510W	1000	25	300	1.1	5	500	1.5	150	GBPC-W
GBPC35005	50	35	400	1.1	5	500	1.5	150	GBPC
GBPC3501	100	35	400	1.1	5	500	1.5	150	GBPC
GBPC3502	200	35	400	1.1	5	500	1.5	150	GBPC
GBPC3504	400	35	400	1.1	5	500	1.5	150	GBPC
GBPC3506	600	35	400	1.1	5	500	1.5	150	GBPC
GBPC3508	800	35	400	1.1	5	500	1.5	150	GBPC
GBPC3510	1000	35	400	1.1	5	500	1.5	150	GBPC
GBPC35005M	50	35	400	1.1	5	500	1.5	150	GBPC-M
GBPC3501M	100	35	400	1.1	5	500	1.5	150	GBPC-M
GBPC3502M	200	35	400	1.1	5	500	1.5	150	GBPC-M
GBPC3504M	400	35	400	1.1	5	500	1.5	150	GBPC-M
GBPC3506M	600	35	400	1.1	5	500	1.5	150	GBPC-M
GBPC3508M	800	35	400	1.1	5	500	1.5	150	GBPC-M
GBPC3510M	1000	35	400	1.1	5	500	1.5	150	GBPC-M
GBPC35005W	50	35	400	1.1	5	500	1.5	150	GBPC-W
GBPC3501W	100	35	400	1.1	5	500	1.5	150	GBPC-W
GBPC3502W	200	35	400	1.1	5	500	1.5	150	GBPC-W
GBPC3504W	400	35	400	1.1	5	500	1.5	150	GBPC-W
GBPC3506W	600	35	400	1.1	5	500	1.5	150	GBPC-W
GBPC3508W	800	35	400	1.1	5	500	1.5	150	GBPC-W
GBPC3510W	1000	35	400	1.1	5	500	1.5	150	GBPC-W
GBPC40005	50	40	400	1.1	10	500	1.5	150	GBPC40
GBPC4001	100	40	400	1.1	10	500	1.5	150	GBPC40
GBPC4002	200	40	400	1.1	10	500	1.5	150	GBPC40
GBPC4004	400	40	400	1.1	10	500	1.5	150	GBPC40
GBPC4006	600	40	400	1.1	10	500	1.5	150	GBPC40
GBPC4008	800	40	400	1.1	10	500	1.5	150	GBPC40
GBPC4010	1000	40	400	1.1	10	500	1.5	150	GBPC40

STANDARD/LOW VF GLASS PASSIVATED BRIDGE RECTIFIERS

Part No.	V_{RM}	Io	I_{FSM}	V_F (V) max	I_R (uA) max.		Typical	Temp Range	Package
	(V)	(A)	(A)	T_A=25ºC	T_A=25ºC	T_A=125ºC	$R\theta_{JC}$(ºC/W)	T_j (ºC)	
GBPC40005M	50	40	400	1.1	10	500	1.5	150	GBPC40-M
GBPC4001M	100	40	400	1.1	10	500	1.5	150	GBPC40-M
GBPC4002M	200	40	400	1.1	10	500	1.5	150	GBPC40-M
GBPC4004M	400	40	400	1.1	10	500	1.5	150	GBPC40-M
GBPC4006M	600	40	400	1.1	10	500	1.5	150	GBPC40-M
GBPC4008M	800	40	400	1.1	10	500	1.5	150	GBPC40-M
GBPC4010M	1000	40	400	1.1	10	500	1.5	150	GBPC40-M
GBPC50005	50	50	400	1.1	10	500	1.5	150	GBPC40
GBPC5001	100	50	400	1.1	10	500	1.5	150	GBPC40
GBPC5002	200	50	400	1.1	10	500	1.5	150	GBPC40
GBPC5004	400	50	400	1.1	10	500	1.5	150	GBPC40
GBPC5006	600	50	400	1.1	10	500	1.5	150	GBPC40
GBPC5008	800	50	400	1.1	10	500	1.5	150	GBPC40
GBPC5010	1000	50	400	1.1	10	500	1.5	150	GBPC40
GBPC50005M	50	50	400	1.1	10	500	1.5	150	GBPC40-M
GBPC5001M	100	50	400	1.1	10	500	1.5	150	GBPC40-M
GBPC5002M	200	50	400	1.1	10	500	1.5	150	GBPC40-M
GBPC5004M	400	50	400	1.1	10	500	1.5	150	GBPC40-M
GBPC5006M	600	50	400	1.1	10	500	1.5	150	GBPC40-M
GBPC5008M	800	50	400	1.1	10	500	1.5	150	GBPC40-M
GBPC5010M	1000	50	400	1.1	10	500	1.5	150	GBPC40-M

TRANSISTORS

Part No.	Polarity	V_{CEO}	V_{CBO}	V_{EBO}	I_C	H_{FE} Min	H_{FE} Max	$V_{CE(SAT)}$	Package
		(V)	(V)	(V)	(A)			(V)	
BC848A	NPN	30	30	6	0.1	110	220	0.5	SOT-23
BC848B	NPN	30	30	6	0.1	200	450	0.5	SOT-23
BC848C	NPN	30	30	6	0.1	420	800	0.5	SOT-23
TSD2444	NPN	20	30	5	1	82	560	0.5	SOT-23
BC847A	NPN	45	50	6	0.1	110	220	0.5	SOT-23
BC847B	NPN	45	50	6	0.1	200	450	0.5	SOT-23
BC847C	NPN	45	50	6	0.1	420	800	0.5	SOT-23
BC817-16	NPN	45	50	5	0.5	100	250	0.7	SOT-23
BC817-25	NPN	45	50	5	0.5	160	400	0.7	SOT-23
BC817-40	NPN	45	50	5	0.5	250	600	0.7	SOT-23
MMBT3904	NPN	40	60	6	0.2	100	400	0.3	SOT-23
TSC2411	NPN	40	60	5	0.6	82	560	0.5	SOT-23
TSC5904	NPN	80	60	5	3	70	300	0.6	SOT-23
MMBT2222A	NPN	40	75	6	0.6	50	300	1	SOT-23
BC846A	NPN	65	80	6	0.1	110	220	0.5	SOT-23
BC846B	NPN	65	80	6	0.1	200	450	0.5	SOT-23
MMBTA43	NPN	200	200	6	0.5	25	200	0.9	SOT-23
MMBTA42	NPN	300	300	6	0.5	25	200	0.9	SOT-23
TSC4505	NPN	400	400	6	0.3	100	270	0.5	SOT-23
BC818-16W	NPN	25	30	5	0.5	100	250	0.7	SOT-323
BC818-25W	NPN	25	30	5	0.5	160	400	0.7	SOT-323
BC818-40W	NPN	25	30	5	0.5	250	600	0.7	SOT-323
BC848AW/BW/CW	NPN	30	30	5	0.1	110/200/420	220/450/800	0.25	SOT-323
BC849AW/BW/CW	NPN	30	30	5	0.1	110/200/420	220/450/800	0.25	SOT-323
BC817-16W	NPN	45	50	5	0.5	100	250	0.7	SOT-323
BC817-25W	NPN	45	50	5	0.5	160	400	0.7	SOT-323
BC817-40W	NPN	45	50	5	0.5	250	600	0.7	SOT-323
BC847AW/BW/CW	NPN	45	50	6	0.1	110/200/420	220/450/800	0.25	SOT-323
BC850AW/BW/CW	NPN	45	50	5	0.1	110/200/420	220/450/800	0.25	SOT-323
MMBT5343W-O	NPN	50	60	5	0.15	70	140	0.25	SOT-323
MMBT5343W-Y	NPN	50	60	5	0.15	120	240	0.25	SOT-323
MMBT5343W-G	NPN	50	60	5	0.15	200	400	0.25	SOT-323
MMBT5343W-L	NPN	50	60	5	0.15	300	700	0.25	SOT-323
MMBT4081W-Q	NPN	50	60	7	0.15	120	270	0.4	SOT-323
MMBT4081W-R	NPN	50	60	7	0.15	180	390	0.4	SOT-323
MMBT4081W-S	NPN	50	60	7	0.15	270	560	0.4	SOT-323
BC846AW/BW/CW	NPN	65	80	6	0.1	110/200/420	220/450/800	0.25	SOT-323
BC848E-A/B/C	NPN	30	30	5	0.1	110/200/420	220/450/800	0.25	SOT-523
BC849E-A/B/C	NPN	30	30	5	0.1	110/200/420	220/450/800	0.25	SOT-523
BC847E-A/B/C	NPN	45	50	6	0.1	110/200/420	220/450/800	0.25	SOT-523
BC850E-A/B/C	NPN	45	50	5	0.1	110/200/420	220/450/800	0.25	SOT-523
MMBT4617E-Q	NPN	50	60	7	0.15	120	270	0.4	SOT-523

TRANSISTORS

Part No.	Polarity	V_{CEO} (V)	V_{CBO} (V)	V_{EBO} (V)	I_C (A)	H_{FE} Min	H_{FE} Max	$V_{CE(SAT)}$ (V)	Package
MMBT4617E-R	NPN	50	60	7	0.15	180	390	0.4	SOT-523
MMBT4617E-S	NPN	50	60	7	0.15	270	560	0.4	SOT-523
2SC5658	NPN	50	60	7	0.15	120	560	0.4	SOT-723
BC846E-A/B/C	NPN	65	80	6	0.1	110/200/420	220/450/800	0.25	SOT-523
TSD2098	NPN	20	30	6	5	120	820	1	SOT-89
TSD1664	NPN	30	40	5	1	82	560	0.5	SOT-89
TSD2150A	NPN	50	80	6	3	200	400	0.5	SOT-89
TSD882	NPN	30	60	6	3	180	390	0.5	TO-126
TSC5411	NPN	800	1500	7	1	20	40	2	TO-126
TSC136	NPN	400	700	9	3	10	40	1	TO-220
TSC236	NPN	400	700	9	4	10	40	1	TO-220
TS13007B	NPN	400	700	9	8	25	50	3	TO-220
TSC148D	NPN	400	700	9	8	8	25	3	TO-220
TS13009	NPN	400	700	9	12	10	40	3	TO-220
TS13005	NPN	400	700	9	4	10	25	1	TO-220, ITO-220
TSC128D	NPN	400	700	9	4	8	25	3	TO-220, TO-263
TSC741	NPN	400	1050	19	2.5	30	50	1.5	TO-220, ITO-220
TSC742	NPN	400	1050	19	4	30	50	1.5	TO-220, ITO-220
TSC1203E	NPN	550	1050	9	5	14	32	1.5	TO-263
TSC5327	NPN	800	1200	7	4	20	40	2	TO-220, TO-263
TSC5421	NPN	800	1500	7	1	20	40	2	TO-220
TSD2118	NPN	20	30	6	5	120	820	1	TO-252
TSD1760	NPN	30	40	5	3	100	390	0.5	TO-252
TSD1858	NPN	160	180	5	1.5	180	390	0.3	TO-251
TSC5303D	NPN	400	700	9	3	8	25	3	TO-252
TSC5302D	NPN	400	700	9	2	8	25	3	TO-252, TO-251
TSC5304D	NPN	400	700	9	4	8	25	3	TO-252, TO-251
TSC5802D	NPN	400	1050	19	2.5	30	50	1.5	TO-251, TO-252
TSC5804D	NPN	400	1050	19	4	30	50	1.5	TO-251, TO-252
BC338-16/25/40	NPN	25	30	5	0.8	100/160/250	250/400/630	0.7	TO-92
BC548-A/B/C	NPN	30	30	6	0.1	110/200/420	220/450/800	0.25	TO-92
BC549-A/B/C	NPN	30	30	6	0.1	110/200/420	220/450/800	0.25	TO-92
TSD882S	NPN	30	40	5	3	160	500	0.5	TO-92
BC337-16/25/40	NPN	45	50	5	0.8	100/160/250	250/400/630	0.7	TO-92
BC547-A/B/C	NPN	45	50	6	0.1	110/200/420	220/450/800	0.25	TO-92
BC550-A/B/C	NPN	45	50	6	0.1	110/200/420	220/450/800	0.25	TO-92
2N3903	NPN	40	60	6	0.2	50	150	0.2	TO-92
2N3904	NPN	40	60	6	0.2	100	300	0.2	TO-92
TSC5988	NPN	150	60	6	6	100	300	0.55	TO-92
BC546-A/B/C	NPN	65	80	6	0.1	110/200/420	220/450/800	0.25	TO-92
TSC966	NPN	400	600	7	0.3	100	300	0.5	TO-92
TSC873	NPN	400	600	9	1	80	300	0.5	TO-92

TRANSISTORS

Part No.	Polarity	V_{CEO} (V)	V_{CBO} (V)	V_{EBO} (V)	I_C (A)	H_{FE} Min	H_{FE} Max	$V_{CE(SAT)}$ (V)	Package
TS13002	NPN	400	700	9	0.2	6	30	2.5	TO-92
TS13002A	NPN	400	700	9	0.3	20	40	1.5	TO-92
TS13003B	NPN	400	700	9	1.5	20	40	3	TO-92
TSC5301D	NPN	400	700	9	1	8	25	3	TO-92
TS13003	NPN	400	700	9	1.5	20	40	3	TO-92, TO-126
TS13003MV	NPN	400	800	9	1.5	15	40	1.5	TO-92
TS13003HV	NPN	530	900	9	1.5	15	40	3	TO-92
TSC10	NPN	500	980	10	1.5	6	40	2	TO-92
TSC5401	NPN	800	1500	7	0.5	20	40	1.5	TO-92
BC858A	PNP	-30	-30	-5	-0.1	125	250	-0.65	SOT-23
BC858B	PNP	-30	-30	-5	-0.1	220	475	-0.65	SOT-23
BC858C	PNP	-30	-30	-5	-0.1	420	800	-0.65	SOT-23
TSB1590	PNP	-20	-30	-5	-1	82	560	-0.5	SOT-23
MMBT3906	PNP	-40	-40	-5	-0.2	100	300	-0.4	SOT-23
TSA1036	PNP	-30	-40	-5	-0.6	82	560	-0.5	SOT-23
BC857A	PNP	-45	-50	-5	-0.1	125	250	-0.65	SOT-23
BC857B	PNP	-45	-50	-5	-0.1	220	475	-0.65	SOT-23
BC857C	PNP	-45	-50	-5	-0.1	420	800	-0.65	SOT-23
BC807-16	PNP	-45	-50	-5	-0.5	100	250	-0.7	SOT-23
BC807-25	PNP	-45	-50	-5	-0.5	160	400	-0.7	SOT-23
BC807-40	PNP	-45	-50	-5	-0.5	250	600	-0.7	SOT-23
MMBT2907A	PNP	-60	-60	-5	-0.6	50	100	-0.4	SOT-23
BC856A	PNP	-65	-80	-5	-0.1	125	250	-0.65	SOT-23
BC856B	PNP	-65	-80	-5	-0.1	220	475	-0.65	SOT-23
MMBTA93	PNP	-200	-200	-5	-0.5	25	200	0.5	SOT-23
MMBTA92	PNP	-300	-300	-5	-0.5	25	200	0.5	SOT-23
TSA884	PNP	-500	-500	-5	-0.15	100	300	-0.5	SOT-23
BC808-16W	PNP	-25	-30	-5	0.5	100	250	0.7	SOT-323
BC808-25W	PNP	-25	-30	-5	0.5	160	400	0.7	SOT-323
BC808-40W	PNP	-25	-30	-5	0.5	250	600	0.7	SOT-323
BC858AW/BW/CW	PNP	-30	-30	-5	0.1	125/220/420	250/475/800	0.3	SOT-323
BC859AW/BW/CW	PNP	-30	-30	-5	0.1	125/220/420	250/475/800	0.3	SOT-323
TSB1424A	PNP	-30	-40	-5	-3	120	390	-0.5	SOT-223
BC807-16W	PNP	-45	-50	-5	0.5	100	250	0.7	SOT-323
BC807-25W	PNP	-45	-50	-5	0.5	160	400	0.7	SOT-323
BC807-40W	PNP	-45	-50	-5	0.5	250	600	0.7	SOT-323
MMBT1980W-O	PNP	-50	-50	-5	0.15	70	140	0.3	SOT-323
MMBT1980W-Y	PNP	-50	-50	-5	0.15	120	240	0.3	SOT-323
MMBT1980W-G	PNP	-50	-50	-5	0.15	200	400	0.3	SOT-323
MMBT1980W-L	PNP	-50	-50	-5	0.15	300	700	0.3	SOT-323
BC857AW/BW/CW	PNP	-45	-50	-5	0.1	125/220/420	250/475/800	0.3	SOT-323
BC650AW/BW/CW	PNP	-45	-50	-5	0.1	125/220/420	250/475/800	0.3	SOT-323

TRANSISTORS

Part No.	Polarity	V_{CEO} (V)	V_{CBO} (V)	V_{EBO} (V)	I_C (A)	H_{FE} Min	H_{FE} Max	$V_{CE(SAT)}$ (V)	Package
MMBT1576W-Q	PNP	-50	-60	-6	0.15	120	270	0.5	SOT-323
MMBT1576W-R	PNP	-50	-60	-6	0.15	180	390	0.5	SOT-323
MMBT1576W-S	PNP	-50	-60	-6	0.15	270	560	0.5	SOT-323
BC856AW/BW/CW	PNP	-65	-80	-5	0.1	125/220/420	250/475/800	0.3	SOT-323
TSA874	PNP	-500	-500	-5	-0.15	100	300	-0.5	SOT-223
TSA1765	PNP	-560	-600	-7	-0.15	-	300	-0.5	SOT-223
BC858E-A/B/C	PNP	-30	-30	-5	0.1	125/220/420	250/475/800	0.3	SOT-523
BC859E-A/B/C	PNP	-30	-30	-5	0.1	125/220/420	250/475/800	0.3	SOT-523
BC857E-A/B/C	PNP	-45	-50	-5	0.1	125/220/420	250/475/800	0.3	SOT-523
BC860E-A/B/C	PNP	-45	-50	-5	0.1	125/220/420	250/475/800	0.3	SOT-523
MMBT1774E-Q	PNP	-50	-60	-6	0.15	120	270	0.5	SOT-523
MMBT1774E-R	PNP	-50	-60	-6	0.15	180	390	0.5	SOT-523
MMBT1774E-S	PNP	-50	-60	-6	0.15	270	560	0.5	SOT-523
2SA2029	PNP	-50	-60	-6	0.15	120	560	0.5	SOT-723
BC856E-A/B/C	PNP	-65	-80	-5	0.1	125/220/420	250/475/800	0.3	SOT-523
TSB1386	PNP	-20	-30	-6	-5	80	820	-1	SOT-89
TSB1424	PNP	-20	-30	-5	-3	120	390	-0.5	SOT-89
TSB1132	PNP	-30	-40	-5	-1	82	560	-0.5	SOT-89
TSA5888	PNP	-50	-40	-7.5	-5.5	200	560	-1.2	SOT-89
TSB1412	PNP	-20	-30	-6	-5	80	820	-1	TO-252
TSB1184	PNP	-30	-50	-5	-3	100	390	-0.5	TO-252
TSB1184A	PNP	-50	-50	-5	-3	100	390	-0.5	TO-252
BC328-16/25/40	PNP	-25	-30	5	0.8	100/160/250	250/400/630	0.7	TO-92
BC558-A/B/C	PNP	-30	-30	-5	0.1	110/200/420	220/450/800	0.3	TO-92
BC559-A/B/C	PNP	-30	-30	-5	0.1	110/200/420	220/450/800	0.3	TO-92
2N3905	PNP	-40	-40	-6	0.2	50	150	0.25	TO-92
2N3906	PNP	-40	-40	-6	0.2	100	300	0.25	TO-92
BC327-16/25/40	PNP	45	-50	5	0.8	100/160/250	250/400/630	0.7	TO-92
BC557-A/B/C	PNP	-45	-50	-5	0.1	110/200/420	220/450/800	0.3	TO-92
BC560-A/B/C	PNP	-45	-50	-5	0.1	110/200/420	220/450/800	0.3	TO-92
TSB772S	PNP	-30	-50	-5	-3	160	500	-0.5	TO-92
TSB772	PNP	-30	-50	-5	-3	160	500	-0.5	TO-126
BC556-A/B/C	PNP	-65	-80	-5	0.1	110/200/420	220/450/800	0.3	TO-92
TSA894	PNP	-500	-500	-5	-0.15	100	300	-0.5	TO-92

DIGITAL BIPOLAR TRANSISTORS

Part No.	Polarity	R1 (KΩ)	R2 (KΩ)	P_D (mW)	Io (mA)	V_{CBO} (V)	V_{CEO} (V)	V_{EBO} (V)	G_I Min	G_I Max	Package
DTC113ZCA	NPN	1	10	200	100	-	50	-	33	-	SOT-23
DTC114ECA	NPN	10	10	200	100	-	50	-	30	-	SOT-23
DTC114TCA	NPN	10	-	200	100	-	50	-	100	-	SOT-23
DTC114WCA	NPN	10	4.7	200	100	-	50	-	24	-	SOT-23
DTC114YCA	NPN	10	47	200	100	-	50	-	68	-	SOT-23
DTC123JCA	NPN	2.2	47	200	100	-	50	-	80	-	SOT-23
DTC123YCA	NPN	2.2	10	200	100	-	50	-	33	-	SOT-23
DTC143TCA	NPN	4.7	-	200	100	-	50	-	100	-	SOT-23
DTC143XCA	NPN	4.7	10	200	100	-	50	-	30	-	SOT-23
DTC143ZCA	NPN	4.7	47	200	100	-	50	-	80	-	SOT-23
DTC144ECA	NPN	47	47	200	100	-	50	-	68	-	SOT-23
DTC144TCA	NPN	47	-	200	100	-	50	-	100	-	SOT-23
TRC101-106	NPN	4.7, 10, 22, 47, 2.2, 4.7	4.7, 10, 22, 47, 47, 47	200	100	-	50	-	30, 50, 70, 80, 80, 80	-	SOT-23
TRC107-109	NPN	10, 22, 47	47, 47, 22	200	100	-	80	-	200	450	SOT-23
TRC116-122	NPN	1, 2.2, 2.2, 4.7, 10, 47, 100	10, 2.2, 10,10, 4.7,10, 100	200	100	-	50	-	33, 20, 33, 30, 24, 33, 62	-	SOT-23
TRC241-246	NPN	1, 2.2, 4.7, 10, 1, 2.2	1, 2.2, 4.7, 10, 10, 10	200	300	-	50	-	33, 39, 47, 56, 56, 56	-	SOT-23
TRC241S-246S	NPN	1, 2.2, 4.7, 10, 1, 2.2	1, 2.2, 4.7, 10, 10, 10	200	800	-	50	-	33, 39, 47, 56, 56, 56	-	SOT-23
DT1N434	NPN	4.7	22	200	100	-	50	-	50	-	SOT-23
DT221F	NPN	4.7	10	200	100	-	50	-	30	-	SOT-23
DT221K	NPN	10	4.7	200	100	-	50	-	20	-	SOT-23
DTN133	NPN	10	10	200	100	-	50	-	30	-	SOT-23
MMUN2211-41	NPN	10, 22, 47, 10, 10, 4.7, 1, 2.2, 4.7, 4.7, 22, 2.2, 2.2, 10	10, 22, 47,47, -, -, 1, 2.2, 4.7, 47, 47, 47, -, -	200	100	-	50	-	35, 60, 80, 80, 160, 160, 3, 8, 15, 80, 80, 80, 160, 160	-	SOT-23
TRC110-114	NPN	4.7, 10, 100, 22, 47	-	200	100	50	50	5	120	-	SOT-23
TRC231-234	NPN	2.2, 10, 4.7	-	200	100	30	15	5	100	600	SOT-23
TRC231S-234S	NPN	2.2, 10, 4.7	-	200	600	30	15	5	200	800	SOT-23
DTC343	NPN	4.7	-	200	600	30	15	5	100	600	SOT-23
DTA114ECA	PNP	10	10	200	100	-	50	-	30	-	SOT-23
DTA114TCA	PNP	10	-	200	100	-	50	-	100	-	SOT-23
DTA114YCA	PNP	10	47	200	100	-	50	-	68	-	SOT-23
DTA123JCA	PNP	2.2	47	200	100	-	50	-	80	-	SOT-23
DTA123YCA	PNP	2.2	10	200	100	-	50	-	33	-	SOT-23
DTA124ECA	PNP	22	22	200	100	-	50	-	56	-	SOT-23
DTA143ECA	PNP	4.7	4.7	200	100	-	50	-	30	-	SOT-23
DTA143TCA	PNP	4.7	-	200	100	-	50	-	100	-	SOT-23
DTA143XCA	PNP	4.7	10	200	100	-	50	-	30	-	SOT-23
DTA143ZCA	PNP	4.7	47	200	100	-	50	-	80	-	SOT-23

DIGITAL BIPOLAR TRANSISTORS

Part No.	Polarity	R1 (KΩ)	R2 (KΩ)	P_D (mW)	Io (mA)	V_{CBO} (V)	V_{CEO} (V)	V_{EBO} (V)	G_I Min	G_I Max	Package
DTA144ECA	PNP	47	47	200	100	-	50	-	68	-	SOT-23
DTA144TCA	PNP	47	-	200	100	-	50	-	100	-	SOT-23
TRA101-106	PNP	4.7, 10, 22, 47, 2.2, 4.7	4.7, 10, 22, 47, 47, 47	200	100	-	50	-	30, 50, 70, 80, 80, 80	-	SOT-23
TRA107-109	PNP	10, 22, 47	47, 22, 22	200	100	-	80	-	200	450	SOT-23
TRA116-122	PNP	1, 2.2, 2.2, 4.7, 10, 47, 100	10, 2.2, 10, 10, 4.7,10, 100	200	100	-	50	-	33, 20, 33,30, 24, 33, 62	-	SOT-23
TRC221-226	PNP	1, 2.2, 4.7, 10, 1, 2.2	1, 2.2, 4.7, 10, 10, 10	200	300	-	50	-	33, 39, 47, 56, 56, 56	-	SOT-23
TRC221S-226S	PNP	1, 2.2, 4.7, 10, 1, 2.2	1, 2.2, 4.7, 10, 10, 10	200	800	-	50	-	33, 39, 47, 56, 56, 56	-	SOT-23
DT1P434	PNP	4.7	22	200	100	-	50	-	30	-	SOT-23
DT5P333	PNP	3.3	10	200	500	-	50	-	56	-	SOT-23
DTA143X	PNP	4.7	10	200	100	-	50	-	20	-	SOT-23
MMUN2111-34	PNP	10, 22, 47, 10, 10, 4.7, 1, 2.2, 4.7, 4.7, 22	10, 22, 47, 47, -, -, 1, 2.2, 4.7, 47, 47	200	100	-	50	-	35, 60, 80, 80, 160, 160, 3, 8, 15, 80, 80	-	SOT-23
TRA110-114	PNP	4.7, 10, 100, 22, 47	-	200	100	50	50	5	120	-	SOT-23
DTC113ZUA	NPN	1	10	200	100	-	50	-	33	-	SOT-323
DTC114EUA	NPN	10	10	200	100	-	50	-	30	-	SOT-323
DTC114TUA	NPN	10	-	200	100	-	50	-	100	-	SOT-323
DTC114WUA	NPN	10	4.7	200	100	-	50	-	24	-	SOT-323
DTC114YUA	NPN	10	47	200	100	-	50	-	68	-	SOT-323
DTC123JUA	NPN	2.2	47	200	100	-	50	-	80	-	SOT-323
DTC123YUA	NPN	2.2	10	200	100	-	50	-	33	-	SOT-323
DTC143TUA	NPN	4.7	-	200	100	-	50	-	100	-	SOT-323
DTC143XUA	NPN	4.7	10	200	100	-	50	-	30	-	SOT-323
DTC143ZUA	NPN	4.7	47	200	100	-	50	-	80	-	SOT-323
DTC144EUA	NPN	47	47	200	100	-	50	-	68	-	SOT-323
DTC144TUA	NPN	47	-	200	100	-	50	-	100	-	SOT-323
MUN5210W-521ZW	NPN	0.51~47	0~47	200	100	50	50	-	20	460	SOT-323
DTA114EUA	PNP	10	10	200	100	-	50	-	30	-	SOT-323
DTA114TUA	PNP	10	-	200	100	-	50	-	100	-	SOT-323
DTA114YUA	PNP	10	47	200	100	-	50	-	68	-	SOT-323
DTA123JUA	PNP	2.2	47	200	100	-	50	-	80	-	SOT-323
DTA123YUA	PNP	2.2	10	200	100	-	50	-	33	-	SOT-323
DTA124EUA	PNP	22	22	200	100	-	50	-	56	-	SOT-323
DTA143EUA	PNP	4.7	4.7	200	100	-	50	-	30	-	SOT-323
DTA143TUA	PNP	4.7	-	200	100	-	50	-	100	-	SOT-323
DTA143XUA	PNP	4.7	10	200	100	-	50	-	30	-	SOT-323
DTA143ZUA	PNP	4.7	47	200	100	-	50	-	80	-	SOT-323

DIGITAL BIPOLAR TRANSISTORS

Part No.	Polarity	R1 (KΩ)	R2 (KΩ)	P_D (mW)	Io (mA)	V_{CBO} (V)	V_{CEO} (V)	V_{EBO} (V)	G_I Min	G_I Max	Package
DTA144EUA	PNP	47	47	200	100	-	50	-	68	-	SOT-323
DTA144TUA	PNP	47	-	200	100	-	50	-	100	-	SOT-323
MUN5110W-11ZW	PNP	0.51~47	0~47	200	100	50	50	-	20	460	SOT-323
DTA115W	PNP	100	100	200	100	-	50	-	82	-	SOT-323
DTC113ZE	NPN	1	10	150	100	-	50	-	33	-	SOT-523
DTC114EE	NPN	10	10	150	100	-	50	-	30	-	SOT-523
DTC114TE	NPN	10	-	150	100	-	50	-	100	-	SOT-523
DTC114WE	NPN	10	4.7	150	100	-	50	-	24	-	SOT-523
DTC114YE	NPN	10	47	150	100	-	50	-	68	-	SOT-523
DTC123JE	NPN	2.2	47	150	100	-	50	-	80	-	SOT-523
DTC123YE	NPN	2.2	10	150	100	-	50	-	33	-	SOT-523
DTC143TE	NPN	4.7	-	150	100	-	50	-	100	-	SOT-523
DTC143XE	NPN	4.7	10	150	100	-	50	-	30	-	SOT-523
DTC143ZE	NPN	4.7	47	150	100	-	50	-	80	-	SOT-523
DTC144EE	NPN	47	47	150	100	-	50	-	68	-	SOT-523
DTC144TE	NPN	47	-	150	100	-	50	-	100	-	SOT-523
TRC401E-406E	NPN	4.7, 10, 22, 47, 2.2, 4.7	4.7, 10, 22, 47, 47, 47	100	100	-	50	-	30, 50, 70, 80, 80, 80	-	SOT-523
TRC416E-422E	NPN	1, 2.2, 2.2, 4.7, 10, 47, 100	10, 2.2, 10, 10, 4.7, 10, 100	100	100	-	50	-	33, 20, 33, 30, 24, 33, 62	-	SOT-523
DTC1104E	NPN	47	47	100	100	-	50	-	80	-	SOT-523
DTC143EE	NPN	4.7	4.7	150	100	-	50	-	30	-	SOT-523
DTA114EE	PNP	10	10	150	100	-	50	-	30	-	SOT-523
DTA114TE	PNP	10	-	150	100	-	50	-	100	-	SOT-523
DTA114YE	PNP	10	47	150	100	-	50	-	68	-	SOT-523
DTA123JE	PNP	2.2	47	150	100	-	50	-	80	-	SOT-523
DTA123YE	PNP	2.2	10	150	100	-	50	-	33	-	SOT-523
DTA124EE	PNP	22	22	150	100	-	50	-	56	-	SOT-523
DTA143EE	PNP	4.7	4.7	150	100	-	50	-	30	-	SOT-523
DTA143TE	PNP	4.7	-	150	100	-	50	-	100	-	SOT-523
DTA143XE	PNP	4.7	10	150	100	-	50	-	30	-	SOT-523
DTA143ZE	PNP	4.7	47	150	100	-	50	-	80	-	SOT-523
DTA144EE	PNP	47	47	150	100	-	50	-	68	-	SOT-523
DTA144TE	PNP	47	-	150	100	-	50	-	100	-	SOT-523
TRA301E-306E	PNP	4.7, 10, 22, 47, 2.2, 4.7	4.7, 10, 22, 47, 47, 47	100	100	-	50	-	30, 50, 70, 80, 80, 80	-	SOT-523
DTC113ZSA	NPN	1	10	300	100	-	50	-	33	-	TO-92S
DTC114ESA	NPN	10	10	300	100	-	50	-	30	-	TO-92S
DTC114TSA	NPN	10	-	300	100	-	50	-	100	-	TO-92S
DTC114WSA	NPN	10	4.7	300	100	-	50	-	24	-	TO-92S
DTC114YSA	NPN	10	47	300	100	-	50	-	68	-	TO-92S

DIGITAL BIPOLAR TRANSISTORS

Part No.	Polarity	R1 (KΩ)	R2 (KΩ)	P_D (mW)	Io (mA)	V_{CBO} (V)	V_{CEO} (V)	V_{EBO} (V)	G_I Min	G_I Max	Package
DTC123JSA	NPN	2.2	47	300	100	-	50	-	80	-	TO-92S
DTC123YSA	NPN	2.2	10	300	100	-	50	-	33	-	TO-92S
DTC143TSA	NPN	4.7	-	300	100	-	50	-	100	-	TO-92S
DTC143XSA	NPN	4.7	10	300	100	-	50	-	30	-	TO-92S
DTC143ZSA	NPN	4.7	47	300	100	-	50	-	80	-	TO-92S
DTC144ESA	NPN	47	47	300	100	-	50	-	68	-	TO-92S
DTC144TSA	NPN	47	-	300	100	-	50	-	100	-	TO-92S
RC101S-106S	NPN	4.7, 10, 22, 47, 2.2, 4.7	4.7, 10, 22, 47, 47, 47	200	100	-	50	-	30, 50, 70, 80, 80, 80	-	TO-92
RC107S-109S	NPN	10, 22, 47	47, 47, 22	200	100	-	50	-	80, 80, 70	-	TO-92
RC241-246	NPN	1, 2.2, 4.7, 10, 1, 2.2	1, 2.2, 4.7, 10, 10, 10	200	300	-	50	-	33, 39, 47, 56, 56, 56	-	TO-92
RC241S-246S	NPN	1, 2.2, 4.7, 10, 1, 2.2	1, 2.2, 4.7, 10, 10, 10	200	800	-	50	-	33, 39, 47, 56, 56, 56	-	TO-92
TC114	NPN	10	10	300	50	-	50	-	30	-	TO-92
RC110S-114S	NPN	4.7, 10, 100, 22, 47	-	200	100	50	50	5	120	-	TO-92
DTA114ESA	PNP	10	10	300	100	-	50	-	30	-	TO-92S
DTA114TSA	PNP	10	-	300	100	-	50	-	100	-	TO-92S
DTA114YSA	PNP	10	47	300	100	-	50	-	68	-	TO-92S
DTA123JSA	PNP	2.2	47	300	100	-	50	-	80	-	TO-92S
DTA123YSA	PNP	2.2	10	300	100	-	50	-	33	-	TO-92S
DTA124ESA	PNP	22	22	300	100	-	50	-	56	-	TO-92S
DTA143ESA	PNP	4.7	4.7	300	100	-	50	-	30	-	TO-92S
DTA143TSA	PNP	4.7	-	300	100	-	50	-	100	-	TO-92S
DTA143XSA	PNP	4.7	10	300	100	-	50	-	30	-	TO-92S
DTA143ZSA	PNP	4.7	47	300	100	-	50	-	80	-	TO-92S
DTA144ESA	PNP	47	47	300	100	-	50	-	68	-	TO-92S
DTA144TSA	PNP	47	-	300	100	-	50	-	100	-	TO-92S
RA101S-106S	PNP	4.7, 10, 22, 47, 2.2, 4.7	4.7, 10, 22, 47, 47, 47	200	100	-	50	-	30, 50, 70, 80, 80, 80	-	TO-92
RA107S-109S	PNP	10, 22, 47	47, 47, 22	200	100	-	50	-	80, 80, 70	-	TO-92
RA221-226	PNP	1, 2.2, 4.7, 10, 1, 2.2	1, 2.2, 4.7, 10, 10, 10	200	300	-	50	-	33, 39, 47, 56, 56, 56	-	TO-92
RA221S-226S	PNP	1, 2.2, 4.7, 10, 1, 2.2	1, 2.2, 4.7, 10, 10, 10	200	800	-	50	-	33, 39, 47, 56, 56, 56	-	TO-92
TA114	PNP	10	10	300	50	-	50	-	30	-	TO-92
RA110S-114S	PNP	4.7, 10, 100, 22, 47	-	200	100	50	50	5	120	-	TO-92

MOSFETS

N-Channel

P/N	Type	V_{DS}	V_{GS}	I_D	V_{GS}(th) (V)			$R_{DS(ON)}$ (mΩ) (max)				Qg (nC)		Package
		(V)	(V)	(A)	Min	Typ	Max	10V	4.5V	2.5V	1.8V	@ Vgs (V)		
TSM2N7002KCU	N	60	±20	0.3	1	--	2.5	2Ω	4Ω	--	--	4.5	0.4	SOT-23
TSM1412CU6	N	20	±8	3	0.45	0.65	0.85	--	34	38	44	4.5	11.2	SOT-363
TSM1426CU6	N	30	±20	3.6	0.8	--	3	75	115	--	--	4.5	3	SOT-363
TSM2N7002KDCU6	N	60	±20	0.3	1	--	2.5	2Ω	4Ω	--	--	4.5	0.4	SOT-363
TSM2312CX	N	20	±8	5	0.4	0.6	1	--	33	40	51	4.5	11.2	SOT-23
TSM2310CX	N	20	±12	5	0.6	0.85	1.2	--	33	40	100	4.5	11	SOT-23
TSM2314CX	N	20	±12	5	0.6	0.85	1.2	--	33	40	51	4.5	7.1	SOT-23
TSM2302CX	N	20	±8	--	0.65	0.95	1.2	--	65	95	--	4.5	5.4	SOT-23
TSM3400CX	N	30	±12	5.8	1	1.5	3	28	33	52	--	4.5	5	SOT-23
TSM3404CX	N	30	±20	5.8	1	1.5	3	28	43	--	--	4.5	4.5	SOT-23
TSM2306CX	N	30	±20	3.5	1	--	3	57	94	--	--	4.5	4.2	SOT-23
TSM2318CX	N	40	±20	3.9	1	--	3	--	45	62.5	--	10	10	SOT-23
TSM2N7002KCX	N	60	±20	0.3	1	--	2.5	2Ω	4Ω	--	--	4.5	0.4	SOT-23
TSM2308CX	N	60	±20	3	1.2	--	2.5	156	192	--	--	4.5	3.99	SOT-23
TSM2328CX	N	100	±20	1.5	1	--	2.5	250	--	--	--	5	11.1	SOT-23
TSM2611EDCX6	Dual N	20	±10	6	0.5	0.7	1	--	20	28	--	4.5	13.5	SOT-26
TSM6988DCX6	Dual N	20	±12	5	0.6	0.8	1	--	25	35	--	4.5	9.2	SOT-26
TSM9966DCX6	Dual N	20	±12	5	0.6	0.85	1.2	--	30	40	--	4.5	7.1	SOT-26
TSM3460CX6	N	20	±12	6	0.6	0.8	1	--	30	50	80	4.5	9.2	SOT-26
TSM3462CX6	N	20	±8	5	0.4	0.6	1	--	33	40	51	4.5	11.2	SOT-26
TSM3446CX6	N	20	±12	5.3	0.6	0.85	1.2	--	45	65	--	4.5	7.1	SOT-26
TSM3900DCX6	Dual N	20	±8	2	0.65	0.95	1.2	--	55	75	110	4.5	5.4	SOT-26
TSM3442CX6	N	20	±8	4	0.65	0.95	1.2	--	70	90	--	4.5	5.4	SOT-26
TSM3424CX6	N	30	±20	6.7	1	1.5	3	28	38	--	--	4.5	4.5	SOT-26
TSM3454CX6	N	30	±20	3.5	1	--	3	--	57	94	--	4.5	4.2	SOT-26
TSM1N45CW	N	450	±30	0.5	2.3	3	3.7	4.25Ω	--	--	--	10	6.5	SOT-223
TSM2N60SCW	N	600	±30	0.6	2	--	4	5Ω	--	--	--	10	9.5	SOT-223
TSM1NB60CW	N	600	±30	1	2	--	4	10Ω	--	--	--	10	6.1	SOT-223
TSM1N80CW	N	800	±30	0.3	3	--	5	21.6Ω	--	--	--	10	6	SOT-223
TSM7900DCQ	Dual N	20	±12	6	0.6	0.8	1	--	22	30	--	4.5	9.2	TDFN 3×3
TSM802CQ	N	20	±12	5	0.6	0.8	1	--	25	30	65	4.5	4.5	TDFN 3×3
TSM40N03PQ33	N	30	±20	40	1.15	--	2.2	4.6	5.9	--	--	4.5	12	PDFN 3×3
TSM15N03PQ33	N	30	±20	14	1.2	--	2.5	12	17	--	--	4.5	3.6	PDFN 3×3
TSM40N03PQ56	N	30	±20	40	1.15	--	2.2	4.5	5.8	--	--	4.5	12	PDFN 5×6
TSM35N03PQ56	N	30	±20	35	1.3	--	2.5	7	9	--	--	4.5	8.2	PDFN 5×6
TSM9426DCS	Dual N	20	±12	8	0.5	0.8	1	14	16	22	30	4.5	4.65	SOP-8
TSM7401CS	N	20	±12	8	0.6	0.8	1	--	25	30	65	4.5	4.5	SOP-8
TSM9926DCS	Dual N	20	±12	6	0.6	0.85	1.2	--	28	40	--	4.5	7.1	SOP-8
TSM4424CS	N	20	±8	8	--	0.65	1	--	30	35	45	4.5	11.2	SOP-8
TSM9428CS	N	20	±8	6	0.4	0.6	1	--	30	40	51	4.5	11.2	SOP-8
TSM9428DCS	Dual N	20	±8	6	0.4	0.6	1	--	30	40	51	4.5	11.2	SOP-8

MOSFETS

N-Channel

P/N	Type	V_{DS}	V_{GS}	I_D	V_{GS}(th) (V)			$R_{DS(ON)}$ (mΩ) (max)				Qg (nC)		Package
		(V)	(V)	(A)	Min	Typ	Max	10V	4.5V	2.5V	1.8V	@ Vgs (V)		
TSM4426CS	N	20	±12	8	0.6	0.85	1.2	--	30	40	80	4.5	4.86	SOP-8
TSM4410CS	N	25	±20	10	1	1.8	3	15	21	--	--	4.5	15	SOP-8
TSM4410DCS	Dual N	25	±20	10	1	1.8	3	15	21	--	--	4.5	15	SOP-8
TSM4872CS	N	30	±20	16	1	--	3	8	10	--	--	4.5	26	SOP-8
TSM4944DCS	Dual N	30	±20	12.2	1	--	3	9.5	16	--	--	4.5	13.5	SOP-8
TSM4886CS	N	30	±20	13	1	2.2	3	10	13	--	--	4.5	14.5	SOP-8
TSM4416CS	N	30	±20	9	1	1.8	3	18	28	--	--	5	7.7	SOP-8
TSM4416DCS	Dual N	30	±20	11	1	1.8	3	15	24	--	--	5	7.7	SOP-8
TSM4414CS	N	30	±20	8	1	1.5	3	25	35	--	--	4.5	4.5	SOP-8
TSM414K34CS	N + SKY	30	±20	8	1	1.4	3	25	35	--	--	4.5	4.5	SOP-8
TSM4404CS	N	30	±12	8.5	0.7	--	1.4	30	33	48	--	4.5	9.7	SOP-8
TSM4936DCS	Dual N	30	±20	6	1	1.5	3	36	53	--	--	4.5	4.5	SOP-8
TSM4436CS	N	60	±20	8	1	--	3	36	43	--	--	4.5	10.5	SOP-8
TSM4946DCS	Dual N	60	±20	4.5	1	--	3	55	75	--	--	4.5	10.5	SOP-8
TSM1N45DCS	Dual N	450	±50	0.5	2.3	3	3.7	4Ω	--	--	--	10	6.5	SOP-8
TSM6968DCA	Dual N	20	±12	6	0.6	0.8	1	--	22	30	--	4.5	9.2	TSSOP-8
TSM6968SDA	Dual N	20	±12	6	0.6	0.8	1	--	22	30	--	4.5	9.2	TSSOP-8
TSM6866DCA	Dual N	20	±12	6	0.6	0.85	1.2	--	30	40	--	4.5	7	TSSOP-8
TSM6866SDCA	Dual N	20	±12	6	0.6	0.85	1.2	--	30	40	--	4.5	7	TSSOP-8
TSM75N03CP	N	25	±20	75	1.3	1.7	3	4	6	--	--	4.5	33	TO-252 (DPAK)
TSM55N03CP	N	25	±20	55	1.3	1.8	3	6	9	--	--	4.5	16.8	TO-252 (DPAK)
TSM35N03CP	N	25	±20	35	1	1.8	3	9	13	--	--	4.5	10	TO-252 (DPAK)
TSM25N03CP	N	25	±20	25	1	1.8	3	13	20	--	--	4.5	14.7	TO-252 (DPAK)
TSM60N03CP	N	30	±20	60	1.15	--	2.2	4.5	5.8	--	--	4.5	12	TO-252 (DPAK)
TSM10N06CP	N	60	±20	10	1	--	3	65	80		--	4.5	10.5	TO-252 (DPAK)
TSM60N06CP	N	60	±20	66	2	3	4	7.3	--	--	--	10	81	TO-252 (DPAK)
TSM35N10CP	N	100	±20	32	1	2	3	37	42	--	--	10	34	TO-252 (DPAK)
TSM70N10CP	N	100	±20	70	2	3	4	13	--	--	--	10	145	TO-252 (DPAK)
TSM15N15CP	N	150	±20	12	2	3	4	75	--	--	--	10	20.9	TO-252 (DPAK)
TSM19N20CP	N	200	±20	18	1	2	3	92	--	--	--	10	25.4	TO-252 (DPAK)
TSM6N50CP	N	500	±30	5.6	3	--	4.5	1.4Ω	--	--	--	10	12.8	TO-252 (DPAK)
TSM5ND50CP	N	500	±30	4.4	3	--	4.5	1.5Ω	--	--	--	10	20	TO-252 (DPAK)
TSM4ND50CP	N	500	±30	3	3	--	4.5	2.7Ω	--	--	--	10	12	TO-252 (DPAK)
TSM4N60CP	N	600	±30	4	2	--	4	2.5Ω	--	--	--	10	24	TO-252 (DPAK)
TSM4NB60CP	N	600	±30	4	2	--	4	2.5Ω	--	--	--	10	24	TO-252 (DPAK)
TSM2N60CP	N	600	±30	2	2	--	4	5Ω	--	--	--	10	9.5	TO-252 (DPAK)
TSM2NB60CP	N	600	±30	2	2	--	4	5Ω	--	--	--	10	9.5	TO-252 (DPAK)
TSM1N60LCP	N	600	±30	1	2	--	4	12Ω	--	--	--	10	4.5	TO-252 (DPAK)
TSM1NB60CP	N	600	±30	1	2.5	--	4.5	10Ω	--	--	--	10	6.1	TO-252 (DPAK)
TSM2N70CP	N	700	±30	2	2	--	4	6.3Ω	--	--	--	10	11	TO-252 (DPAK)
TSM3N80CP	N	800	±30	3	2	--	4	4.2Ω	--	--	--	10	19	TO-252 (DPAK)

MOSFETS

N-Channel

P/N	Type	V_{DS}	V_{GS}	I_D	V_{GS}(th) (V)			$R_{DS(ON)}$ (mΩ) (max)				Qg (nC)		Package
		(V)	(V)	(A)	Min	Typ	Max	10V	4.5V	2.5V	1.8V	@ Vgs (V)		
TSM3N90CP	N	900	±30	2.5	2	--	4	5.4Ω	--	--	--	10	25	TO-252 (DPAK)
TSM6N50CH	N	500	±30	5.6	3	--	4.5	1.4Ω	--	--	--	10	12.8	TO-251 (IPAK)
TSM4N60CH	N	600	±30	4	2	--	4	2.5Ω	--	--	--	10	24	TO-251 (IPAK)
TSM2N60CH	N	600	±30	2	2	--	4	5Ω	--	--	--	10	9.5	TO-251 (IPAK)
TSM2NB60CH	N	600	±30	2	2	--	4	5Ω	--	--	--	10	9.5	TO-251 (IPAK)
TSM1N60LCH	N	600	±30	1	2	--	4	12Ω	--	--	--	10	4.5	TO-251 (IPAK)
TSM1NB60CH	N	600	±30	1	2.5	--	4.5	10Ω	--	--	--	10	6.1	TO-251 (IPAK)
TSM2N70CH	N	700	±30	2	2	--	4	6.3Ω	--	--	--	10	11	TO-251 (IPAK)
TSM3N80CH	N	800	±30	3	2	--	4	4.2Ω	--	--	--	10	19	TO-251 (IPAK)
TSM3N90CH	N	900	±30	2.5	2	--	4	5.4Ω	--	--	--	10	25	TO-251 (IPAK)
TSM2N7000KCT	N	60	±20	0.3	1	--	2.5	2Ω	4Ω	--	--	4.5	0.4	TO-92
TSM1N45CT	N	450	±30	0.5	2.3	3	3.7	4.25Ω	--	--	--	10	6.5	TO-92
TSM1N50CT	N	500	±30	0.5	2	--	4	5.5Ω	--	--	--	10	4.5	TO-92
TSM1N60SCT	N	600	±30	0.3	2	--	4	15Ω	--	--	--	10	4.5	TO-92
TSM1NB60SCT	N	600	±30	0.5	2.5	--	4.5	10Ω	--	--	--	10	6.1	TO-92
TSM1N60HCT	N	600	±30	0.4	2	--	4	8.5Ω	--	--	--	10	5	TO-92
TSM1N80SCT	N	800	±30	0.3	3	--	5	21.6Ω	--	--	--	10	6	TO-92
TSM110N06CZ	N	55	±20	110	2	--	4	8	--	--	--	10	87.8	TO-220
TSM210N06CZ	N	60	±20	210	2	--	4	3.1	--	--	--	10	160	TO-220
TSM100N06CZ	N	60	±20	100	2	3	4	5.3	--	--	--	10	92	TO-220
TSM60N06CZ	N	60	±25	60	2	3	4	16	--	--	--	10	49	TO-220
TSM90N06CZ	N	60	±20	93	2	3	4	7.2	--	--	--	10	62.2	TO-220
TSM190N08CZ	N	75	±20	190	2	3	4	4.2	--	--	--	10	160	TO-220
TSM80N08CZ	N	75	±20	80	2	3	4	8	--	--	--	10	91.5	TO-220
TSM75N75CZ	N	75	±20	75	2	3	4	11	--	--	--	10	81	TO-220
TSM160N10CZ	N	100	±20	160	2	3	4	5.5	--	--	--	10	154	TO-220
TSM85N10CZ	N	100	±20	81	2	3	4	10	--	--	--	10	154	TO-220
TSM20N50CZ	N	500	±30	18	2	--	4	0.3Ω	--	--	--	10	54	TO-220
TSM15N50CZ	N	500	±30	14	2	--	4	0.44Ω	--	--	--	10	39	TO-220
TSM13N50CZ	N	500	±30	13	2	--	4	0.48Ω	--	--	--	10	39	TO-220
TSM9N50CZ	N	500	±30	9	2	--	4	0.85Ω	--	--	--	10	63	TO-220
TSM6N50CZ	N	500	±30	6	3	--	4.5	1.4Ω	--	--	--	10	12.8	TO-220
TSM5N50CZ	N	500	±30	4.5	3	--	4.5	1.5Ω	--	--	--	10	13	TO-220
TSM10N60CZ	N	600	±30	9.5	2	--	4	0.75Ω	--	--	--	10	57	TO-220
TSM4N60CZ	N	600	±30	4	2	--	4	2.5Ω	--	--	--	10	24	TO-220
TSM4NB60CZ	N	600	±30	4	2	--	4	2.5Ω	--	--	--	10	24	TO-220
TSM2NB60CZ	N	600	±30	2	2	--	4	5Ω	--	--	--	10	9.5	TO-220
TSM7N65CZ	N	650	±30	7	2	--	4	1.2Ω	--	--	--	10	42	TO-220
TSM10N80CZ	N	800	±30	10	2	--	4	1.05Ω	--	--	--	10	53	TO-220
TSM8N80CZ	N	800	±30	8	2	--	4	1.55Ω	--	--	--	10	41	TO-220
TSM4N80CZ	N	800	±30	4	2	--	4	3Ω	--	--	--	10	19	TO-220

MOSFETS

N-Channel

P/N	Type	V_{DS}	V_{GS}	I_D	V_{GS}(th) (V)			$R_{DS(ON)}$ (mΩ) (max)				Qg (nC)		Package
		(V)	(V)	(A)	Min	Typ	Max	10V	4.5V	2.5V	1.8V	@ Vgs (V)		
TSM3N80CZ	N	800	±30	3	2	--	4	4.2Ω	--	--	--	10	19	TO-220
TSM9N90CZ	N	900	±30	9	2	--	4	1.4Ω	--	--	--	10	65	TO-220
TSM7N90CZ	N	900	±30	7	2	--	4	1.9Ω	--	--	--	10	25	TO-220
TSM4N90CZ	N	900	±30	4	2	--	4	4Ω	--	--	--	10	25	TO-220
TSM3N90CZ	N	900	±30	2.5	2	--	4	5.4Ω	--	--	--	10	25	TO-220
TSM20N50CI	N	500	±30	18	2	--	4	0.3Ω	--	--	--	10	54	ITO-220
TSM15N50CI	N	500	±30	14	2	--	4	0.44Ω	--	--	--	10	39	ITO-220
TSM13N50CI	N	500	±30	13	2	--	4	0.48Ω	--	--	--	10	39	ITO-220
TSM9N50CI	N	500	±30	9	2	--	4	0.85Ω	--	--	--	10	63	ITO-220
TSM6N50CI	N	500	±30	5.6	3	--	4.5	1.4Ω	--	--	--	10	12.8	ITO-220
TSM5N50CI	N	500	±30	4.5	3	--	4.5	1.5Ω	--	--	--	10	13	ITO-220
TSM10N60CI	N	600	±30	9.5	2	--	4	0.75Ω	--	--	--	10	57	ITO-220
TSM4N60CI	N	600	±30	4	2	--	4	2.5Ω	--	--	--	10	24	ITO-220
TSM4NB60CI	N	600	±30	4	2	--	4	2.5Ω	--	--	--	10	24	ITO-220
TSM2NB60CI	N	600	±30	2	2	--	4	5Ω	--	--	--	10	9.5	ITO-220
TSM12N65CI	N	650	±30	12	2	--	4	0.8Ω	--	--	--	10	41	ITO-220
TSM7N65CI	N	650	±30	7	2	--	4	1.2Ω	--	--	--	10	42	ITO-220
TSM8N70CI	N	700	±30	8	2	--	4	0.9Ω	--	--	--	10	32	ITO-220
TSM10N80CI	N	800	±30	10	2	--	4	1.05Ω	--	--	--	10	53	ITO-220
TSM8N80CI	N	800	±30	8	2	--	4	1.55Ω	--	--	--	10	41	ITO-220
TSM4N80CI	N	800	±30	4	2	--	4	3Ω	--	--	--	10	19	ITO-220
TSM3N80CI	N	800	±30	3	2	--	4	4.2Ω	--	--	--	10	19	ITO-220
TSM9N90CI	N	900	±30	9	2	--	4	1.4Ω	--	--	--	10	65	ITO-220
TSM7N90CI	N	900	±30	7	2	--	4	1.9Ω	--	--	--	10	25	ITO-220
TSM4N90CI	N	900	±30	4	2	--	4	4Ω	--	--	--	10	25	ITO-220
TSM3N90CI	N	900	±30	2.5	2	--	4	5.4Ω	--	--	--	10	25	ITO-220
TSM23N50CN	N	500	±30	23	2	--	4	0.22Ω	--	--	--	10	66	TO-3PN
TSM20N50CN	N	500	±30	20	2	--	4	0.3Ω	--	--	--	10	54	TO-3PN
TSM15N50CN	N	500	±30	14	2	--	4	0.44Ω	--	--	--	10	39	TO-3PN
TSM13N50CN	N	500	±30	13	2	--	4	0.48Ω	--	--	--	10	39	TO-3PN
TSM10N80CN	N	800	±30	10	2	--	4	1.05Ω	--	--	--	10	53	TO-3PN
TSM9N90CN	N	900	±30	9	2	--	4	1.4Ω	--	--	--	10	65	TO-3PN

MOSFETS

P-Channel

P/N	Type	V_{DS}	V_{GS}	I_D	V_{GS}(th) (V)			$R_{DS(ON)}$ (mΩ) (max)				Qg (nC)		Package
		(V)	(V)	(A)	Min	Typ	Max	10V	4.5V	2.5V	1.8V	@ Vgs (V)		
TSM2323CX	P	-20	±8	-4.7	-0.4	--	-1	--	39	52	68	4.5	12.5	SOT-23
TSM2305CX	P	-20	±8	-3.2	-0.45	--	-1	--	55	80	130	4.5	10	SOT-23
TSM2311CX	P	-20	±8	-3.5	-0.6	--	-1.4	--	55	85	--	4.5	8.5	SOT-23
TSM2313CX	P	-20	±12	-3.3	-0.6	--	-1.4	--	70	90	130	4.5	8	SOT-23
TSM2301BCX	P	-20	±8	-2.4	-0.45	--	-0.95	--	100	150	190	4.5	4.5	SOT-23
TSM2301CX	P	-20	±8	-2.3	-0.45	--	-0.95	--	130	190	--	4.5	4.5	SOT-23
TSM2307CX	P	-30	±20	-3	-1	--	-3	--	80	140	--	4.5	10	SOT-23
TSM3401CX	P	-30	±20	-3	-1	-1.7	-3	60	90	--	--	4.5	9.5	SOT-23
TSM2303CX	P	-30	±20	-1.3	-1	--	-3	180	300	--	--	4.5	10	SOT-23
TSM3433CX6	P	-20	±8	-5.6	-0.4	--	-1	--	42	57	80	4.5	8.5	SOT-26
TSM3443CX6	P	-20	±12	-4.4	-0.6	--	-1.4	--	65	100	--	4.5	8.5	SOT-26
TSM3441CX6	P	-20	±8	-2.9	-0.45	--	-0.95	--	90	110	--	4.5	4.5	SOT-26
TSM3493CX6	P	-20	±12	-5.6	-0.5	--	-1	--	34	48	60	4.5	16	SOT-26
TSM3911DCX6	Dual P	-20	±8	-2.2	-0.45	--	-0.95	--	130	190	250	4.5	4.5	SOT-26
TSM3481CX6	P	-30	±20	-5.3	-1	-1.7	-3	48	79	--	--	4.5	16	SOT-26
TSM3455CX6	P	-30	±20	-3.5	-1	--	-3	--	100	170	--	4.5	10	SOT-26
TSM3457CX6	P	-30	±20	-5	-1	-1.7	-3	60	100	--	--	4.5	9.5	SOT-26
TSM9434CS	P	-20	±8	-6.5	-0.4	--	-1	--	40	60	--	4.5	12.5	SOP-8
TSM9434DCS	Dual P	-20	±8	-6.5	-0.4	--	-1	--	40	60	--	4.5	12.5	SOP-8
TSM9433CS	P	-20	±12	-5.4	-0.6	--	-1.4	--	55	75	--	4.5	8.5	SOP-8
TSM9933DCS	Dual P	-20	±12	-5	-0.6	--	-1.4	--	65	85	--	4.5	8.5	SOP-8
TSM4433CS	P	-20	±8	-3.9	-0.45	--	-0.95	--	90	110	150	4.5	4.5	SOP-8
TSM4433DCS	Dual P	-20	±8	-3.9	-0.45	--	-0.95	--	90	110	150	4.5	4.5	SOP-8
TSM4425CS	P	-30	±20	-11	-1	--	-3	14	20	--	--	4.5	3	SOP-8
TSM4435CS	P	-30	±20	-9.1	-1	--	-3	20	35	--	--	4.5	64	SOP-8
TSM4925DCS	Dual P	-30	±20	-7.1	-1	--	-3	25	41	--	--	4.5	33	SOP-8
TSM4431CS	P	-30	±20	-5.8	-1	-1.7	-3	40	70	--	--	4.5	16	SOP-8
TSM9435CS	P	-30	±20	-5	-1	-1.7	-3	60	90	--	--	4.5	9.5	SOP-8
TSM4953DCS	Dual P	-30	±20	-5	-1	-1.7	-3	60	90	--	--	4.5	9.5	SOP-8
TSM9409CS	P	-60	±20	-3.5	-1	--	-3	155	200	--	--	4.5	6	SOP-8
TSM6981DCA	Dual P	-20	±8	-6.5	-0.4	--	-1	--	40	50	60	4.5	12.5	TSSOP-8
TSM6963SDCA	Dual P	-20	±12	-4.5	-0.5	-0.7	-1	--	30	42	68	--	14	TSSOP-8
TSM10P06CP	P	-60	±20	-10	-1	--	-3	170	220	--	--	10	6	TO-252 (DPAK)

MOSFETS

N+P Complementary

P/N	Type	V_{DS}	V_{GS}	I_D	V_{GS}(th) (V)			$R_{DS(ON)}$ (mΩ) (max)				Qg (nC)		Package
		(V)	(V)	(A)	Min	Typ	Max	10V	4.5V	2.5V	1.8V	@ Vgs (V)		
TSM3548DCX6	N	30	±20	3	0.7	0.9	1.4	41	45	--	--	10	7	SOT-26
	P	-30	±20	-2.2	-0.7	-0.95	-1.3	60	75	--	--	10	9.7	SOT-26
TSM4513DCS	N	20	±12	6	0.6	--	1.4	--	14	16	--	4.5	16.3	SOP-8
	P	-20	±12	-6	-0.6	--	-1.4	--	18	25	--	4.5	67.8	SOP-8
TSM4539DCS	N	30	±20	6.5	1	--	3	28	42	--	--	10	7	SOP-8
	P	-30	±20	-4.2	-1	--	-3	65	90	--	--	10	9.7	SOP-8

MOSFET + Schottky Diode

P/N	Type	V_{DS}	V_{GS}	I_D	V_{GS}(th) (V)			$R_{DS(ON)}$ (mΩ) (max)				Qg (nC)		Package
		(V)	(V)	(A)	Min	Typ	Max	10V	4.5V	2.5V	1.8V	@ Vgs (V)		
TSM301K12CQ	P	-20	±20	4.5	1	--	3	30	44	--	--	10	7	DFN 2x2

IGBTS

P/N	W/FRD	V_{CES}	I_C	$V_{CE(SAT)}$	Fall Time	V_{GE}(th) (V)			Package
		(V)	(A)	(V)	(nS)	Min	Typ	Max	
TSG60N100CE	W/FRD	1000	60	2.1	120	3.5	5.5	7.6	TO-264
TSG10N120CN	W/FRD	1200	10	2.3	230	3	5	7	TO-3PN
TSG15N120CN	W/FRD	1200	15	1.9	86	3	5	7	TO-3PN
TSG25N120CN	W/FRD	1200	25	1.9	168	3	5	7	TO-3PN
TSG40N120CE	W/FRD	1200	40	2.2	65	4.5	6.5	8.5	TO-264

ANALOG ICS

Supervisor & Reset IC

P/N	Vcc (max)	Threshold Voltage	Iq	Type	Accuracy	Package
TS3809	6V	2.25/2.63/2.93/3.08/4.0/4.38/4.63V	25uA	Active Low	±1.5%	SOT-23
TS3810	6V	2.25/2.63/2.93/3.08/4.0/4.38/4.63V	25uA	Active High	±1.5%	SOT-23
TS823	6V	2.19/2.32/2.63/2.93/3.08/4.38/4.63V	10uA	Active Low	±1.5%	SOT-25
TS824	6V	2.19/2.32/2.63/2.93/3.08/4.38/4.63V	10uA	Active High	±1.5%	SOT-25
TS825	6V	2.19/2.32/2.63/2.93/3.08/4.38/4.63V	10uA	Active High	±1.5%	SOT-25

Voltage and Current Controller

P/N	Vcc	Icc	Vref	Vsense	Peak Output Current	Accuracy	Package
TS103	3 ~ 18V	20mA	2.5V	--	40mA	±1.0%	SOP-8
TS1051	2.5 ~ 12V	2mA	1.21V	200mV	--	±1.0%	SOT-26
TS1052	2.5 ~ 18V	2mA	1.21V	200mV	--	±1.0%	SOT-26
★TS1053	2.5 ~ 12V	2mA	1.21V	80mV	--	±1.0%	SOT-26

USB Power Switch

P/N	Channel	Vin	I_{LOAD}	Current Limit	Supply Current	Ton	Toff	Package
TS2021	Single	3.2~6.5V	0.5A	0.8A (Typ)	40uA	400uS	0.7uS	SOT-25
TS2022	Single	3.2~6.5V	0.75A	1A (Typ)	40uA	400uS	0.7uS	SOT-25
TS2023	Single	3.2~6.5V	1A	1.5A (Typ)	40uA	400uS	0.7uS	SOT-25
TS2024	Single	3.2~6.5V	1.5A	2.5A (Typ)	40uA	400uS	0.7uS	SOT-25
TS2025	Dual	2.7~6.5V	0.5A	1A (Typ)	80uA	1000uS	0.7uS	SOP-8
TS2026	Dual	2.7~6.5V	1A	1.5A (Typ)	80uA	1000uS	0.7uS	SOP-8

★ 2012/Q3 available

LINEAR VOLTAGE REGULATORS

Standard Linear

P/N	Vin (max)	Output Voltage	Iout	Vdropout	Accuracy	Package Type
TS7800	35/40V	5/6/8/9/10/12/15/18/24V	1.0A	2V	±4%	TO-220, ITO-220
TS78M00	35/40V	5/8/9/12/15/18/24V	0.5A	2V	±4%	TO-252
TS78M00A	35/40V	5V	0.5A	2V	±2%	TO-252
TS78M00L	35/40V	5V	0.5A	2V	±4%	TO-252
TS78L00	30V	3.3/5/6/8/9/12/15/18/24V	0.1A	2V	±4%	TO-92, SOP-8, SOT-89, SOT-23
TS317	40V	Adj	1.5A	2V	±4%	TO-220, TO-263, TO-252, SOT-223
TS317L	40V	Adj	0.1A	2V	±4%	TO-92, SOP-8
TS7900	-35/-40V	-5/-12	1.0A	2V	±4%	TO-220, ITO-220
TS79M00	-35/-40V	-5/-12	0.5A	2V	±4%	TO-252, TO-220
TS79L00	-30V	-5/-9/-12	0.1A	2V	±4%	TO-92, SOP-8, SOT-89

Low Dropout

P/N	Vin (max)	Output Voltage	Iout	Vdropout	Accuracy	Package Type
TS3480	30V	3.3/5V	0.1A	1.1V	±4%	SOT-23
TS1117B	15V	Adj/1.2/1.5/1.8/2.5/3.3/5V	1A	1.3V	±2%	TO-252, SOT-223, SOP-8
TS1086	15V	Adj/3.3/5V	1.5A	1.3V	±2%	TO-220, TO-263, TO-252
TS1085	15V	Adj/2.5/3.3/5V	3.0A	1.3V	±2%	TO-220, TO-263, TO-252
TS1084	15V	Adj/3.3	5.0A	1.3V	±2%	TO-220, TO-263, TO-252
TS1540	15	Adj/1.8/2.5/3.3/5V	1.0A	1.3V	±2%	TO-252

CMOS Low Dropout

P/N	Vin (max)	Output Voltage	Iout	Vdropout	Accuracy	Package Type
TS9001	7V	2.5/3.3V	0.3A	0.3V	±2%	SOT-25
TS9005	7V	1.8/2.5/3.3V	0.6A	0.6V	±2%	SOT-89, SOT-223, SOT-25
TS9008	6V	1.2/1.5/1.8/2.5/3.0/3.3V	0.3A	0.25V	±2%	SOT-25, SOT-353
TS9011	12V	1.8/2.5/3.0/3.3/5V	0.25A	0.4V	±2%	SOT-23, SOT-89, TO-92
TS9013	12V	1.8/2.5/3.3/5V	0.5A	0.6V	±2%	SOT-89, SOT-223,
TS9015	7V	Adj	0.3A	0.3V	±2%	SOT-25

ULTRA LOW DROPOUT VOLTAGE REGULATORS

Low Voltage

P/N	Vin(max)	Output Voltage	Iout	Vdropout	Accuracy	Package
TS5203	20V	3.3/5V	0.03A	0.3V	±3%	SOT-23, DFN 2x2
TS5213	20V	3.3/5V	0.08A	0.4V	±3%	SOT-25, SOT-353
TS5204	20V	3.3/5V	0.15A	0.4V	±2%	SOT-23, SOT-89
TS5205	20V	Adj/2.5/3.3/5V	0.15A	0.3V	±2%	SOT-25
TS5201	20V	Adj	0.2A	0.4V	±2%	SOP-8
TS5214	20V	2.5/3.3/5V	0.3A	0.5V	±2%	SOT-23, SOT-89, SOT-223
TS5215	20V	Adj/2.5/3.3/5V	0.3A	0.5V	±2%	SOT-25, SOP-8, SOT-89-5L
TS5218	20V	Adj	0.8A	0.4V	±2%	TDFN 3x3
TS39100	20V	1.8/2.5/3.3/5V	1.0A	0.5V	±2%	TO-252, SOT-223
TS39101	20V	1.8/2.5/3.3/5V	1.0A	0.5V	±2%	SOP-8
TS39102	20V	Adj	1.0A	0.5V	±2%	SOP-8
TS39103	20V	1.8/2.5/3.3/5V	1.0A	0.5V	±2%	TO-252-4L
TS39104	20V	Adj	1.0A	0.5V	±2%	SOP-8
TS39105	20V	1.8/2.5/3.3/5V	1.0A	0.5V	±2%	TO-252-5L, TO-252-4L
TS39150	20V	1.8/2.5/3.3/5V	1.5A	0.6V	±2%	TO-220, TO-263
TS39151	20V	1.8/2.5/3.3/5V	1.5A	0.6V	±2%	TO-220-5L, TO-263-5L
TS39152	20V	Adj	1.5A	0.6V	±2%	TO-220-5L, TO-263-5L
TS39153	20V	1.8/2.5/3.3/5V	1.5A	0.6V	±2%	TO-220-5L, TO-263-5L
TS39154	20V	Adj	1.5A	0.6V	±2%	TO-252-4L
TS39300	20V	1.8/2.5/3.3/5V	3.0A	0.6V	±2%	TO-220, TO-263
TS39301	20V	1.8/2.5/3.3/5V	3.0A	0.6V	±2%	TO-220-5L, TO-263-5L
TS39302	20V	Adj	3.0A	0.6V	±2%	TO-220-5L, TO-263-5L
TS39303	20V	1.8/2.5/3.3/5V	3.0A	0.6V	±2%	TO-220-5L, TO-263-5L
TS39500	20V	1.8/2.5/3.3/5V	5.0A	0.6V	±2%	TO-220, TO-263
TS39501	20V	1.8/2.5/3.3/5V	5.0A	0.6V	±2%	TO-220-5L, TO-263-5L
TS39502	20V	Adj	5.0A	0.6V	±2%	TO-220-5L, TO-263-5L

High Voltage

P/N	Vin(max)	Output Voltage	Iout	Vdropout	Accuracy	Package
TS2950	30V	3.3/5V	0.15A	0.4V	±1.5%	TO-92, TO-252
TS2950A	30V	5V	0.15A	0.4V	±1%	TO-92, TO-252
TS2951	30V	Adj/3.0/3.3/5V	0.15A	0.4V	±1.5%	SOP-8
TS2951A	30V	Adj/5V	0.15A	0.4V	±1%	SOP-8
TS2937	30V	3.3/5/12V	0.50A	0.6V	±2%	TO-220, TO-263, TO-252, SOT-223
TS2938	30V	3.3/5/12V	0.50A	0.6V	±2%	SOP-8
TS2940	30V	3.3/5V	1.0A	0.6V	±2%	TO-220, TO-263, TO-252, SOT-223

High Voltage

P/N	Vin(max)	Output Voltage	Iout	Vdropout	Accuracy	Package
TS4230G	40V	5V	0.2A	0.4V	40uA	TO-252-5L
★TS4250	40V	Adj	0.05A	0.3V	10uA	SOT-26
TS4260	42V	5V	0.65A	0.4V	850uA	TO-220-5L, TO-263-5L
TS4264	40V	5V	0.15A	0.4V	400uA	SOT-223
TS4264G	40V	5V	0.15A	0.4V	40uA	SOT-223
★TS4266	40V	5V	0.15A	0.4V	250uA	SOT-223-4L
★TS4266G	40V	5V	0.15A	0.4V	40uA	SOT-223-4L
TS4268	40V	5V	0.18A	0.4V	300uA	SOP-8
TS4270	40V	5V	0.65A	0.4V	1.5mA	TO-220-5L, TO-263-5L, TO-252-5L
TS4274	30V	1.8/2.5/3.3/5V	0.40A	0.6V	300uA	TO-220, TO-263, TO-252
TS4275	45V	5V	0.40A	0.5V	200uA	TO-252-4L
TS4276	40V	Adj/5V	0.40A	0.5V	220uA	TO-252-4L

★ 2012/Q4 available

SWITCHING REGULATORS

DC to DC Converter

P/N	Vin(max)	Output Voltage	Isw	Frequency	Vref	Package
TS3063	3 ~ 40V	Adj	0.8A	100~180KHz	1.25V	SOP-8, MSOP-8
TS34063	3 ~ 40V	Adj	1.5A	100~100KHz	1.25V	DIP-8, SOP-8

Asynchronous Step-Down (Buck) Switching Converter

P/N	Vin(max)	Output Voltage	Isw	Frequency	Vref	Package
TS2576	4.5 ~ 40V	Adj/3.3/5.0	3A	52KHz	1.23V	TO-220-5L, TO-263-5L
TS2596	4.5 ~ 40V	Adj/3.3/5.0	3A	150KHz	1.23V	TO-220-5L, TO-263-5L
TS2596S	4.5 ~ 24V	Adj/3.3/5.0	2A	150KHz	1.23V	SOP-8
TS2508A	4.5 ~ 23V	Adj	3A	330KHz	0.8V	SOP-8
TS2509	4.5 ~ 23V	Adj	3A	500KHz	0.8V	SOP-8
TS2580	4.5 ~ 40V	Adj	2A	52KHz	1.23V	SOP-8

Asynchronous Step-Down (Buck) Switching Controller

P/N	Vin(max)	Output Voltage	Isw	Frequency	Vref	Package
TS2507	3.6 ~ 24V	Adj	External P-MOS	330KHz	0.8V	SOP-8
TS2581	4.5 ~ 40V	Adj	External P-MOS	100KHz	1V	SOP-8

Synchronous Step-Down (Buck) Switching Converter

P/N	Vin(max)	Output Voltage	Isw	Frequency	Vref	Package
TS3406	2.5 ~ 5.5V	Adj	0.6A	1500KHz	0.6V	SOT-25
TS3410	2.5 ~ 5.5V	Adj	1A	1400KHz	0.6V	SOT-25
TS3552	4.75 ~ 23V	Adj	2A	350KHz	0.925V	SOP8
TS3553	4.75 ~ 23V	Adj	3A	350KHz	0.925V	SOP-8EP

Step-Up (Boost) Switching Converter

P/N	Vin(max)	Output Voltage	Isw	Frequency	Vref	Package
TS1935B	2.7 ~ 5.5V	Adj	1.9A	1200KHz	1.23V	SOT-25
TS1909	0.8 ~ 5.5V	2.7V	0.1A	150KHz	0.8V	SOT-25
TS1910	2.6 ~ 5.5V	27V	2A	680KHz/1.2MHz	1.238V	SOP-8EP
TS1910A	2.6 ~ 5.5V	27V	3A	680KHz/1.2MHz	1.238V	SOP-8EP

Synchronous Buck-Boost Switching Converter

P/N	Vin(max)	Output Voltage	Isw	Frequency	Vref	Package
TS1941	2.5 ~ 5.5V	Adj	1A	2.5MHz	0.5	DFN 3x3-10L

Step-Up (Boost) Switching Controller

P/N	Vin(max)	Vsense	Isw	Frequency	Iq	Package
TS19375	3 ~ 24V	0.06V	External N-MOS	500KHz	4mA	SOP-8

SWITCHING REGULATORS

Step-Up (Boost) WLED Driver

P/N	Vin(max)	Vout (max)	Isw	Frequency	Iq	Package
TS1937	2.5 ~ 20V	36V	0.32A	1.2MHz	1uA	SOT-25
TS19371	2.5 ~ 20V	30V	0.65A	1.2MHz	1uA	SOT-26
TS19512	7 ~ 32V	75V	0.06A	500KHz	10mA	TSSOP-28, SOP-28

Step-Down (Buck) WLED Driver

P/N	Vin(max)	Vout (max)	Isw	Frequency	Iq	Package
TS19373	6 ~ 40V	~ 36V	0.8A	180KHz	4mA	SOT-25
TS19376	6 ~ 32V	~ 30V	1A	100KHz~1KHz	5mA	SOT-89-5L
TS19377	3.6 ~ 23V	0.25V ~ Vcc	2A	330KHz	5mA	SOP-8
TS19378	8 ~ 40V	~38V	2A	300KHz	3mA	SOP-8EP

WLED Current Regulator

P/N	Vin(max)	Vout (max)	Isw	Frequency	Iq	Package
TS19601	5 ~ 50V	~ 75V	Adj ~ 0.7A	--	5mA	TO-252-5L

AC to DC WLED Driver

P/N	Vin(max)	Iout-sw	VDD	Supply Current	Protection	Package
TS19450	8 ~ 450V	External MOSFET	7.5V	0.5mA	UVLO	SOP-8
TS19460	8 ~ 450V	External MOSFET	7.5V	0.5mA	UVLO	SOP-8
TS19451	20 ~ 400V	50mA	7.5V	200uA	UVLO	SOT-89
TS19452	20 ~ 400V	100mA	7.5V	400uA	UVLO	SOP-8
★TS19453	20 ~ 400V	Adj ~ 100mA	7.5V	500uA	UVLO	SOP-8, TO-252-4L

PWM Flyback Controller

P/N	Vin(max)	Supply Current	Feedback Voltage	Start up Current	Protection	Package
TS19701A	30V	2mA	2V	5uA,	UVLO	SOT-26

PFC Controller

P/N	Vin(max)	Supply Current	Feedback Voltage	Start up Current	Protection	Package
TS19702	30V	2mA	0.2V	8uA	UVLO	SOT-26
TS19703	10.5 ~ 22V	3.5mA	2.5V	40uA	UVLO	SOP-8, DIP-8

Half-Bridge Driver

P/N	Vcc	Supply Voltage (HS)	Supply Current	Frequency	ILK-offset	Package
TS19706CS	10~18V	~625V	160uA	48.2KHz	50uA	SOP-8, DIP-8

★ 2012/Q3 available

VOLTAGE REFERENCES

P/N	Vin(max)	Vref	Iout	Ika(min)	Accuracy (%)	Tj(oper)	Package
TS431 / A / B	37V	2.495V	0.1A	500uA	±2 / ±1 / ±0.5	0 ~ 70ºC	TO-92, SOT-23, SOP-8
TS431A / B-Z	37V	2.495V	0.1A	500uA	±1 / ±0.5	0 ~ 70ºC	SOT-23
TS1431 / A / B	37V	2.495V	0.1A	500uA	±2 / ±1 / ±0.5	0 ~ 70ºC	SOT-23
TS432 / A / B	18V	1.24V	0.1A	80uA	±2 / ±1	0 ~ 70ºC	TO-92, SOT-23, SOT-25
TS432I / AI						-40 ~ 85ºC	

AMPLIFIERS & COMPARATORS

Amplifier

P/N	Vin(max)	Iib	Vio	Iio	Slew Rate	Gain	Channel	Package
TS321	±16V	500nA	7mV	150nA	0.3V/uS	1.0MHz	1	SOT-25
TS324	±16V	500nA	7mV	150nA	0.3V/uS	1.0MHz	4	DIP-14, SOP-14
TS358	±16V	500nA	7mV	150nA	0.3V/uS	1.0MHz	2	DIP-8, SOP-8
TS34119	18V	200nA	--		--	1.5MHz	2	DIP-8, SOP-8

Comparator

P/N	Vin(max)	Iib	Vio	Iio	Slew Rate	Gain	Channel	Package
TS331	±18V	250nA	±5mV	±50nA	1.3uS	--	1	SOT-25
TS339	±18V	250nA	±5mV	±50nA	1.3uS	--	4	DIP-14, SOP-14
TS393	±18V	250nA	±5mV	±50nA	1.3uS	--	2	DIP-8, SOP-8

Telephone IC

P/N	Vcc(max)	Von	Icc	PSRR	Ivb	Freq.	Channel	Package
TS34118	7V	3.5~6.5V	8mA	54dB	500uA	1MHz	1	SOP-28

PACKING CODE LIST

Tube Packing

Outline	Box (PCS)	Carton (PCS)	Carton Size (mm)	Gross Weight (kgs)	Packing Code	Halogen-Free Packing code
TO-220 (50pcs/tube)	2,000	8,000	630×355×230	28	C0	C0G
TO-220-5L (50pcs/tube)	1,000	6,000	630×355×233	26	C0	C0G
ITO-220-4L (50pcs/tube)	2,000	8,000	628×355×230	21.8	C0	C0G
ITO-220 (50pcs/tube)	1,000	6,000	590×370×200	25.02	C0	C0G
TO-251 (75pcs/tube)	3,750	30,000	585×350×315	15	C5	C5G
DIP-8 (50pcs/tube)	2,000	20,000	560×310×275	19.42	C3	C3G
DIP-14 (25pcs/tube)	1,000	10,000	560×310×275	19.84	C4	C4G
DIP-16 (25pcs/tube)	1,000	10,000	580×345×250	21	C4	C4G
SOP-28 (25pcs/tube)	2,000	20,000	560×310×275	28.4	C8	C8G

Reel Packing

Outline (Package)	Reel (PCS)	Inner Box (PCS)	Carton (PCS)	Carton Size (m/m)	Gross Weight (kgs/ Carton)	Reel Size (inch)	Packing code	Halogen-Free Packing code
0503	4,000	24,000	120,000	370×350×200	5.6	7	RZ	RZG
0603	4,000	24,000	120,000	370×350×200	5.6	7	RZ	RZG
0603 (Ceramic)	5,000	30,000	150,000	395×220×235	6.5	7	-	RZG
0805 (Ceramic)	5,000	30,000	150,000	395×220×235	7.0	7	-	RYG
1005	4,000	24,000	120,000	370×350×200	6.4	7	RW	RWG
1206 (Ceramic)	5,000	30,000	150,000	395×220×235	7.5	7	-	RXG
2510P10	3,000	18,000	108,000	385×270×217	5.0	7	-	RDG
DO-34/35 (Glass Seal/Paper Reel)	10,000	10,000	50,000	370×370×420	10.5	14	R0	R0G
DO-35 (DB3 Series)	5,000	10,000	50,000	560×295×410	12.5	10	RI	RIG
DO-41 (Glass Seal/Paper Reel)	5,000	5,000	25,000	370×370×420	11.2	14	R0	R0G
DFN1006 (0402)	5,000	30,000	180,000	385×270×217	4.0	7	-	RJG
MELF (Glass Seal)	5,000	10,000	50,000	360×360×290	13.0	13	L0	L0G
MELF (Plastic)	5,000	10,000	50,000	360×360×290	13.0	13	L0	-
MINI MELF (Glass Seal)	10,000	20,000	60,000	365×365×180	5.7	13	L0	L0G
MINI MELF (Glass Seal)	2,500	15,000	90,000	385×270×217	6.2	7	L1	L1G
MINI MELF (LLDB3 Series)	2,500	15,000	50,000	385×270×217	6.2	7	L1	-
QUADRO MINI MELF (Glass Seal)	10,000	20,000	60,000	365×365×180	5.7	13	L0	L0G
QUADRO MINI MELF (Glass Seal)	2,500	15,000	90,000	385×270×217	6.2	7	L1	L1G
MSOP-08	1,000	5,000	30,000	385×270×217	4.5	7	-	RMG
MSOP-10	1,000	5,000	30,000	385×270×217	4.5	7	-	ROG
SOD-123G	3,000	45,000	180,000	420×420×220	8.0	7	RH	RHG
SOD-123	3,000	18,000	108,000	385×270×217	4.5	7	RH	RHG
SOD-323G	3,000	45,000	180,000	420×420×220	8.0	7	RR	RRG
SOD-323	3,000	18,000	108,000	385×270×217	4.5	7	RR	RRG
SOD-523	3,000	18,000	108,000	385×270×217	5.0	7	RK	RKG

PS. All the dimensions and weights mentioned above are described for your reference only; The actual measurement is subject to final confirmation.

PACKING CODE LIST

Reel Packing

Outline (Package)	Reel (PCS)	Inner Box (PCS)	Carton (PCS)	Carton Size (m/m)	Gross Weight (kgs/ Carton)	Reel Size (inch)	Packing code	Halogen-Free Packing code
SOT-143	3,000	18,000	108,000	385×270×217	5.0	7	-	RBG
SOT-323	3,000	18,000	108,000	385×270×217	5.0	7	RF	RFG
SOT-23	3,000	18,000	108,000	385×270×217	5.0	7	RF	RFG
SOT-25	3,000	18,000	108,000	385×270×217	5.0	7	-	RFG
SOT-26	3,000	18,000	108,000	385×270×217	5.0	7	RF	RFG
SOT-363	3,000	18,000	108,000	385×270×217	5.0	7	RF	RFG
SOD-723F	5,000	40,000	200,000	545×202×202	4.3	7	RL	RLG
TS-1 (52mm Taping)	5,000	-	20,000	340×340×343	7.1	13	R0	R0G
A-405 (52mm Taping)	5,000	-	20,000	340×340×343	7.7	13	R0	R0G
DO-41 (52mm Taping)	5,000	-	20,000	340×340×343	10	13	R0	R0G
DO-41 (52mm Taping) Reverse direction	5,000	-	20,000	340×340×343	10	13	R1	R1G
DO-15	3,500	-	14,000	340×340×343	8.7	13	R0	R0G
DO-201	1,250	-	5,000	340×340×343	7.7	13	R0	R0G
DO-201AD	1,250	-	5,000	340×340×343	8.8	13	R0	R0G
R-6	1,000	-	4,000	340×340×343	9.5	13	R0	R0G
MELF	5,000	10,000	50,000	360×360×290	13.0	13	L0	L0G
Mirco SMA (8mm tape)	3,000	18,000	90,000	397×216×230	4.3	7	RS	RSG
Sub SMA (8mm tape)	1,800	7,200	36,000	385×204×185	4	7	RU	RUG
Sub SMA (8mm tape)	3,000	12,000	60,000	385×204×185	4.5	7	RV	RVG
Sub SMA (8mm tape)	7,500	15,000	75,000	360×360×190	7	13	RT	RTG
Sub SMA (8mm tape)	10,000	20,000	100,000	360×360×190	7.8	13	RQ	RQG
Sub SMA (12mm tape)	1,800	7,200	36,000	370×195×210	4.3	7	R3	R3G
Sub SMA (12mm tape)	3,000	12,000	60,000	370×195×210	4.8	7	RF	RFG
Sub SMA (12mm tape)	7,500	15,000	75,000	345×240×220	7.6	13	R2	R2G
Sub SMA (12mm tape)	10,000	20,000	100,000	345×240×220	8.2	13	RH	RHG
SMA	1,800	7,200	36,000	370×195×210	6	7	R3	R3G
SMA	7,500	15,000	75,000	345×340×220	11.1	13	R2	R2G
Folded SMA	1,800	7,200	36,000	370×195×210	6	7	F3	F3G
Folded SMA	7,500	15,000	75,000	360×360×220	11.1	13	F2	F2G
Clip-SMA	1,800	7,200	36,000	370×195×210	6	7	E3	E3G
Clip-SMA	7,500	15,000	75,000	345×340×225	11.1	13	E2	E2G
SMB	850	3,400	17,000	370×195×210	5	7	R5	R5G
SMB	3,000	6,000	30,000	345×340×220	8.4	13	R4	R4G
SMC	850	3,400	17,000	385×204×200	7.5	7	R7	R7G
SMC	3,000	6,000	30,000	360×360×230	13.4	13	R6	R6G
D^2PAK	800	800	6,400	350×340×350	14.5	13	RN	RNG
DPAK	5000	5000	25000	342×342×50	13.2	13	RO	ROG

PS. All the dimensions and weights mentioned above are described for your reference only; The actual measurement is subject to final confirmation.

PACKING CODE LIST

Reel Packing

Outline (Package)	Reel (PCS)	Inner Box (PCS)	Carton (PCS)	Carton Size (m/m)	Gross Weight (kgs/ Carton)	Reel Size (inch)	Packing code	Halogen-Free Packing code
ABS	1,000	4,000	20,000	370×195×210	6	7	RE	REG
ABS	5,000	10,000	50,000	345×340×220	13	13	RG	RGG
MBS	3,000	6,000	48,000	340×340×338	17.7	13	RC	RCG
DBLS	1,500	3,000	21,000	340×340×343	16.6	13	RD	RDG
TSSOP-8	3,000	6,000	30,000	383×360×300	9	13	RV	RVG
SOP-8	2,500	5,000	25,000	360×355×270	7.6	13	RL	RLG
MSOP-8	3,000	6,000	30,000	383×360×300	9	13	RF	RFG
SOP-14	2,500	5,000	25,000	390×380×305	7.9	13	RL	RLG
SOP-16	2,500	5,000	25,000	390×380×305	7.9	13	RL	RLG
TO-252	2,500	5,000	25,000	370×370×290	13.2	13	RO	ROG
SOT-223	2,500	5,000	25,000	390×370×290	8.6	13	RP	RPG
TO-263	800	800	4,000	390×360×280	10	13	RN	RNG
TO-263-5L	800	800	4,000	390×360×280	10	13	RN	RNG
SOT-353	3,000	12,000	144,000	383×296×208	5	7	RF	RFG
DFN 2×2	3000	12,000	144,000	485×410×355	10	7	RF	RFG
DFN 3×3	3000	12,000	144,000	475×400×200	18	7	RF	RFG
DFN 3×3	10,000	20,000	100,000	475×400×200	18	13	RK	RKG
SOT-23	3,000	12,000	144,000	380×320×390	9.5	7	RF	RFG
SOT-23	10,000	10,000	100,000	380×320×391	9.5	13	RK	RKG
SOT-25	3,000	12,000	144,000	380×320×390	9.5	7	RF	RFG
SOT-26	3,000	12,000	144,000	380×320×390	9.5	7	RF	RFG
SOT-89	1,000	4,000	48,000	390×290×380	8.5	7	RM	RMG
SOT-89-5L	1,000	4,000	48,000	390×290×380	8.5	7	RM	RMG

Ammo Box Packing

Outline (Package)	Inner Box (PCS)	Carton (PCS)	Carton Size (m/m)	Gross Weight (kgs/ Carton)	Inner Pack	Packing code	Halogen-Free Packing code
DO-34 (Glass Seal)	10,000	100,000	400×265×195	14.0	Paper box	A0	A0G
DO-35 (Glass Seal)	5,000	50,000	400×265×195	14.0	Paper box	A0	A0G
DO-41 (Glass Seal)	3,000	30,000	400×265×195	19.6	Paper box	A0	A0G
A-405 Panasert/Cathode Up, Cathode First Out	2,000	24,000	340×340×343	10.4	Paper box	P0	P0G
A-405 Panasert/Cathode Up, Anode First Out	2,000	24,000	340×340×343	10.4	Paper box	P1	P1G
TS-1(26mm Taping)	3,000	60,000	580×275×225	12.6	Paper box	A1	A1G
TS-1(52mm Taping)	3,000	30,000	395×255×227	9.7	Paper box	A0	A0G
A-405(26mm Taping)	3,000	60,000	580×275×225	16.5	Paper box	A1	A1G
A-405(52mm Taping)	3,000	30,000	395×255×227	10.6	Paper box	A0	A0G
DO-41(52mm Taping)	3,000	30,000	395×255×227	13.1	Paper box	A0	A0G
DO-15 (52mm Taping)	1,500	15,000	395×255×205	8.8	Paper box	A0	A0G
DO-20 (52mm Taping)	500	10,000	398×258×305	16.2	Paper box	A0	A0G
DO-201AD(52mm Taping)	500	10,000	398×258×305	16.2	Paper box	A0	A0G
R-6(52mm Taping)	700	3,500	425×275×185	7.45	Paper box	A0	A0G
TO-92	2,000	20,000	460×340×175	7.4	Paper box	A3	A3G

PS. All the dimensions and weights mentioned above are described for your reference only; The actual measurement is subject to final confirmation.

TAIWAN SEMICONDUCTOR
The Smartest Choice

PACKING CODE LIST

Bulk Packing

Outline (Package)	Box (PCS)	Carton (PCS)	Carton Size (m/m)	Gross Weight (kgs/ Carton)	Inner Pack	Packing code	Halogen-Free Packing code
A-405	1,000	50,000	445×215×255	14	Paper box	B0	B0G
TS-1	1,000	50,000	445×215×255	12.5	Paper box	B0	B0G
DO-15	1,000	40,000	445×215×255	18	Paper box	B0	B0G
DO-41	1,000	50,000	445×215×255	13.1	Paper box	B0	B0G
DO-201	500	15,000	400×313×265	17	Paper box	B0	B0G
DO-201AD	500	15,000	400×313×265	20.8	Paper box	B0	B0G
R-6	400	12,000	400×313×265	23.1	Paper box	B0	B0G
AR	1000	10,000	307×185×255	20.25	Plactic bag	B0	B0G
ARS	1000	10,000	307×185×255	18.2	Plactic bag	B0	B0G
TO-220AB(50pcs/Tube)	2,000	4,000	565×175×185	11.6	Tube	D0	D0G
TO-220AC(50pcs/Tube)	2,000	4,000	565×175×185	11.6	Tube	D0	D0G
TO-220AB(50pcs/Tube)	2,000	4,000	565×175×185	11.6	Tube	C0	C0G
TO-220AC(50pcs/Tube)	2,000	4,000	565×175×185	11.6	Tube	C0	C0G
TO-220ABC(50pcs/Tube)	2,000	4,000	565×175×185	11.65	Tube	C0	-
ITO-220AB(50pcs/Tube)	2,000	4,000	565×175×185	11.5	Tube	D0	D0G
ITO-220PB(50pcs/Tube)	2,000	8,000	585×308×175	19.9	Tube	CA	-
ITO-220PB(50pcs/Tube)	2,000	4,000	565×175×185	10.85	Tube	C0	-
ITO-220AC(50pcs/Tube)	2,000	4,000	565×175×185	11.5	Tube	D0	D0G
ITO-220AB(50pcs/Tube)	2,000	4,000	565×175×185	11.5	Tube	C0	C0G
ITO-220AC(50pcs/Tube)	2,000	4,000	565×175×185	11.5	Tube	C0	C0G
D²PAK(50pcs/Tube)	2,000	4,000	565×190×185	11.3	Tube	C0	C0G
I²PAK(50pcs/Tube)	3,000	6,000	565×175×185	7.8	Tube	C0	C0G
D3K(25pcs/Tube)	1,500	6,000	390×270×200	15.8	Tube	C2	C2G
DBL/DBLS(50pcs/Tube)	5,000	2,0000	467×335×315	18.8	Tube	C1	C1G
DBLS(50pcs/Tube)	10,000	40,000	467×335×315	28.2	Tube	C1	C1G
GBL(25pcs/Tube)	1,200	2,400	565×175×185	10.2	Tube	C2	C2G
GBL(25pcs/Tube)	1,200	2,400	565×175×185	10.2	Tube	D2	D2G
GBU(20pcs/Tube)	1,000	2,000	496×185×240	13.6	Tube	C2	C2G
GBU(20pcs/Tube)	1,000	2,000	496×185×240	13.6	Tube	D2	D2G
GBPC-W(15A,25A,35A)(50pcs/Tray)	100	500	345×215×380	13.5	Tray	T0	-
GBPC-M(15A,25A,35A)(50pcs/Tray)	100	500	345×215×380	14.5	Tray	T0	-
GBPC-M(40A,50A)(50pcs/Tray)	100	500	345×215×380	11.5	Tray	T0	-
KBP(25pcs/Tube)	1,000	4,000	405×290×175	11.5	Tube	C2	C2G
TS4K/KBJ(20pcs/Tube)	1,000	2,000	555×312×165	13.5	Tube	D3	D3G
TS4B(20pcs/Tube)	1,000	2,000	555×204×207	14	Tube	C2	C2G
TS4B(20pcs/Tube)	1,000	2,000	555×204×207	14	Tube	D2	D2G
TS6P(15pcs/Tube)	1,200	1,200	490×180×170	12.8	Tube	C2	C2G
TS6P(15pcs/Tube)	1,200	1,200	490×180×170	12.8	Tube	D2	D2G

PS. All the dimensions and weights mentioned above are described for your reference only; The actual measurement is subject to final confirmation.

TAIWAN SEMICONDUCTOR
The Smartest Choice

PACKING CODE LIST

Bulk Packing

Outline (Package)	Box (PCS)	Carton (PCS)	Carton Size (m/m)	Gross Weight (kgs/ Carton)	Inner Pack	Packing code	Halogen-Free Packing code
TO-92(1000pcs/bag)	10,000	100,000	520×360×245	24	Plactic bag	B0	B0G
TO-126(250pcs/bag)	2,500	25,000	520×370×270	18	Plactic bag	B0	B0G

Bulk Forming

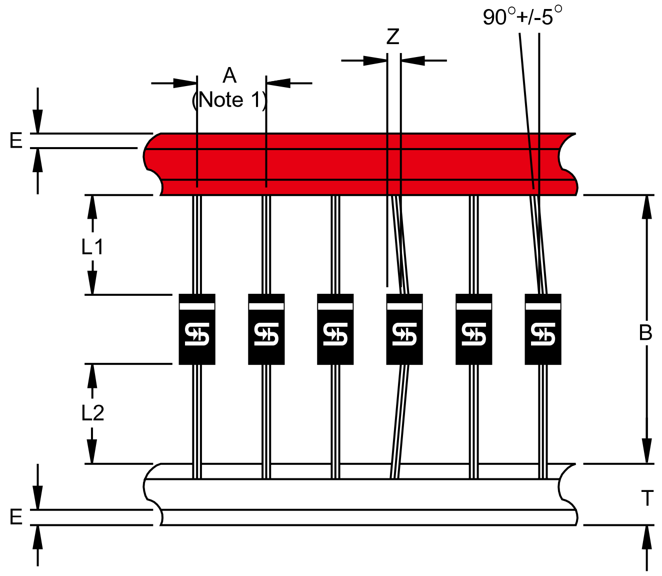
Outline (Package)	Box (PCS)	Carton (PCS)	Carton Size (m/m)	Gross Weight (kgs/ Carton)	Inner Pack	Packing code	Halogen-Free Packing code
DO-15 Forming	1,000	30,000	395×255×227	-	Paper box	X0	X0G
DO-41 Forming	1,000	30,000	395×255×227	-	Paper box	X0	X0G
DO-201AD Forming(1000pcs/bag)	500	15,000	395×255×227	-	Paper box	X0	X0G
TS4B(20pcs/Tube)Forming	1,000	2,000	555×204×207	12.64	Tube	X0	X0G
TS6P(15pcs/Tube)Forming	1,200	1,200	490×180×170	13	Tube	X0	X0G
GBL(25pcs/Tube)Forming	1,000	2,000	540×165×210	9.1	Tube	X0	X0G
GBU(20pcs/Tube)Forming	1,000	2,000	496×185×240	12.6	Tube	X0	X0G

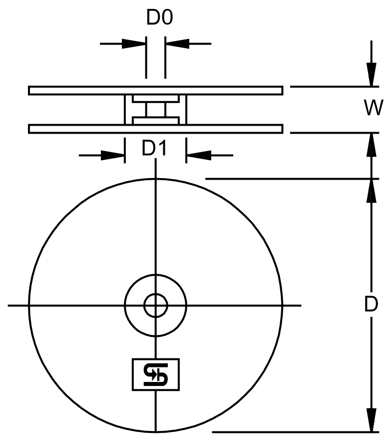
PS. All the dimensions and weights mentioned above are described for your reference only; The actual measurement is subject to final confirmation.

AXIAL LEAD TAPING SPECIFICATIONS FOR RECTIFIERS

Axial lead devices are packed in accordance with EIA standard RS-296-D and specifications given below.

COMPONENT OUTLINE	COMPONENT PITCH A +/-0.5mm (.020")	INNER TAPE PITCH B +/-1.5mm (.59")	CUMUL ATIVE PITCH TOLERAND
TS-1/A-405	0.5mm	26.0mm	2.0mm/20pitch
TS-1/A-405	0.5mm	52.4mm	2.0mm/10pitch
DO-41	0.5mm	52.4mm	2.0mm/10pitch
DO-15	0.5mm	52.4mm	2.0mm/10pitch
DO-201/DO-201AD	10.0mm	52.4mm	2.0mm/10pitch
R-6	10.0mm	52.4mm	2.0mm/10pitch
DO-34/DO-35/DO-41	5.08mm±0.4	26.0mm±0.5	2.0mm/20pitch
DO-34/DO-35/DO-41	5.08mm±0.4	52.37mm±1.5	2.0mm/10pitch



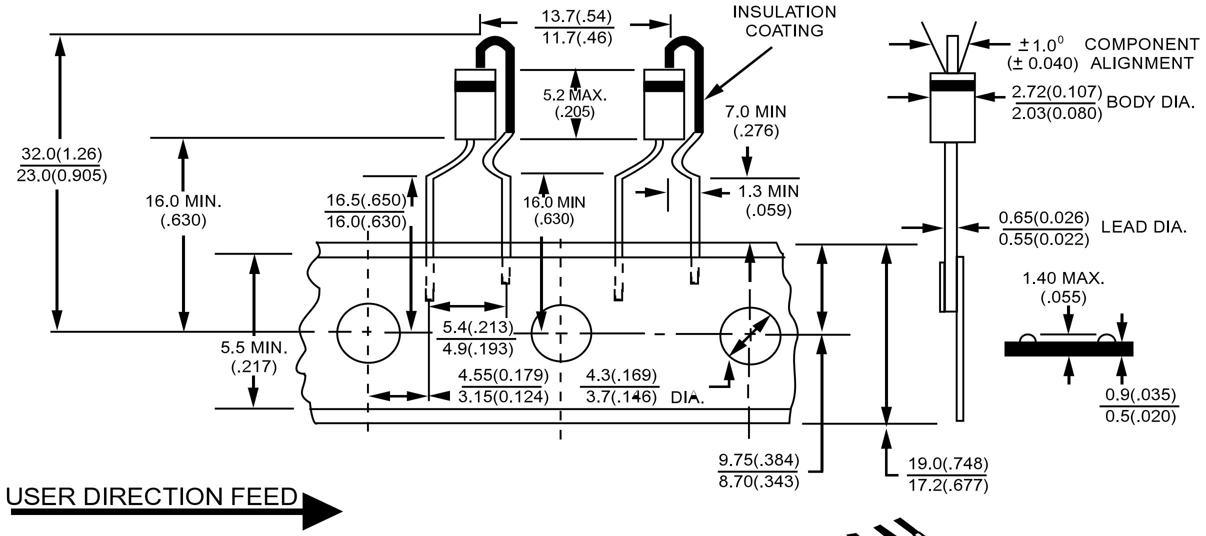


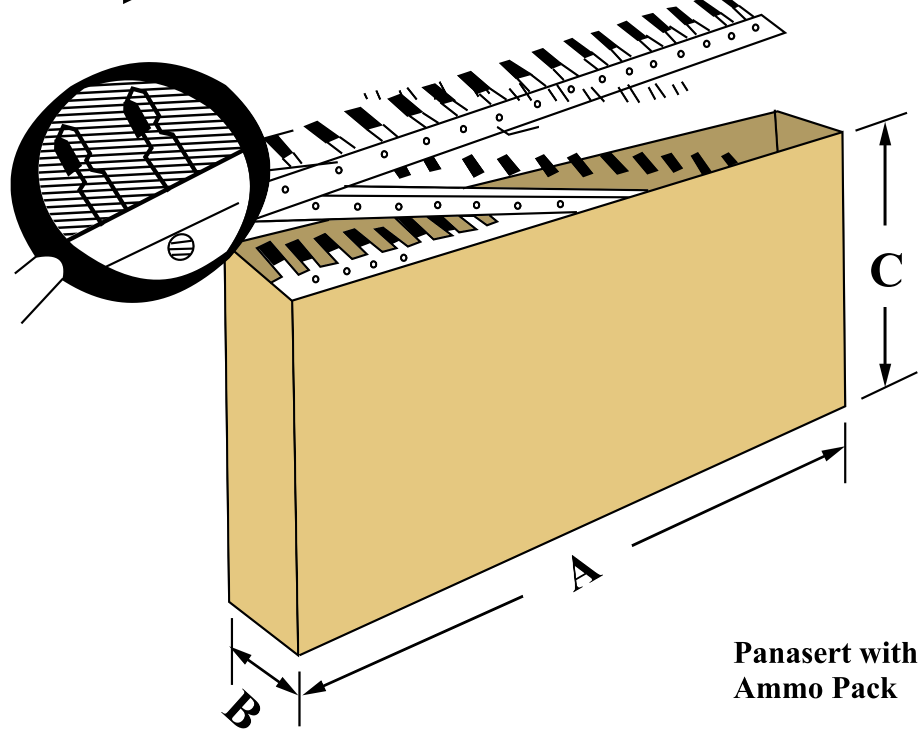
ITEM	SYMBOL	SPECIFICATIONS (m/m)	SPECIFICATIONS (inch)
Commpoent alignment	Z	1.2max	0.048max
Tape width	T	2.75~6.4	0.11~0.256
Exposed adhesive	E	0.8max	0.032max
Body eccentricity	I L1-L2 I	±1.2	±0.048
Reel outides diameter	D	330~356	13.0~14.24
Reel inner diameter	D1	84~87	3.36~3.48
Reel hole diameter	Do	16.2~30	0.648~1.2
Reel width (Note 2)	W	76.0±1.0	2.99±0.040

NOTE: 1.Each component lead shall be sandwiched between tapes for a minimum of 3.2mm(0.126")
2.The reel width "W" for 26mm taping is 50 ±1.0m/m (1.97"±0.03")

RADIAL-TAPING SPECIFICATIONS FOR RECTIFIERS
(Available For A-405 Packge Only)

FIGURE PANASERT





Panasert with
Ammo Pack

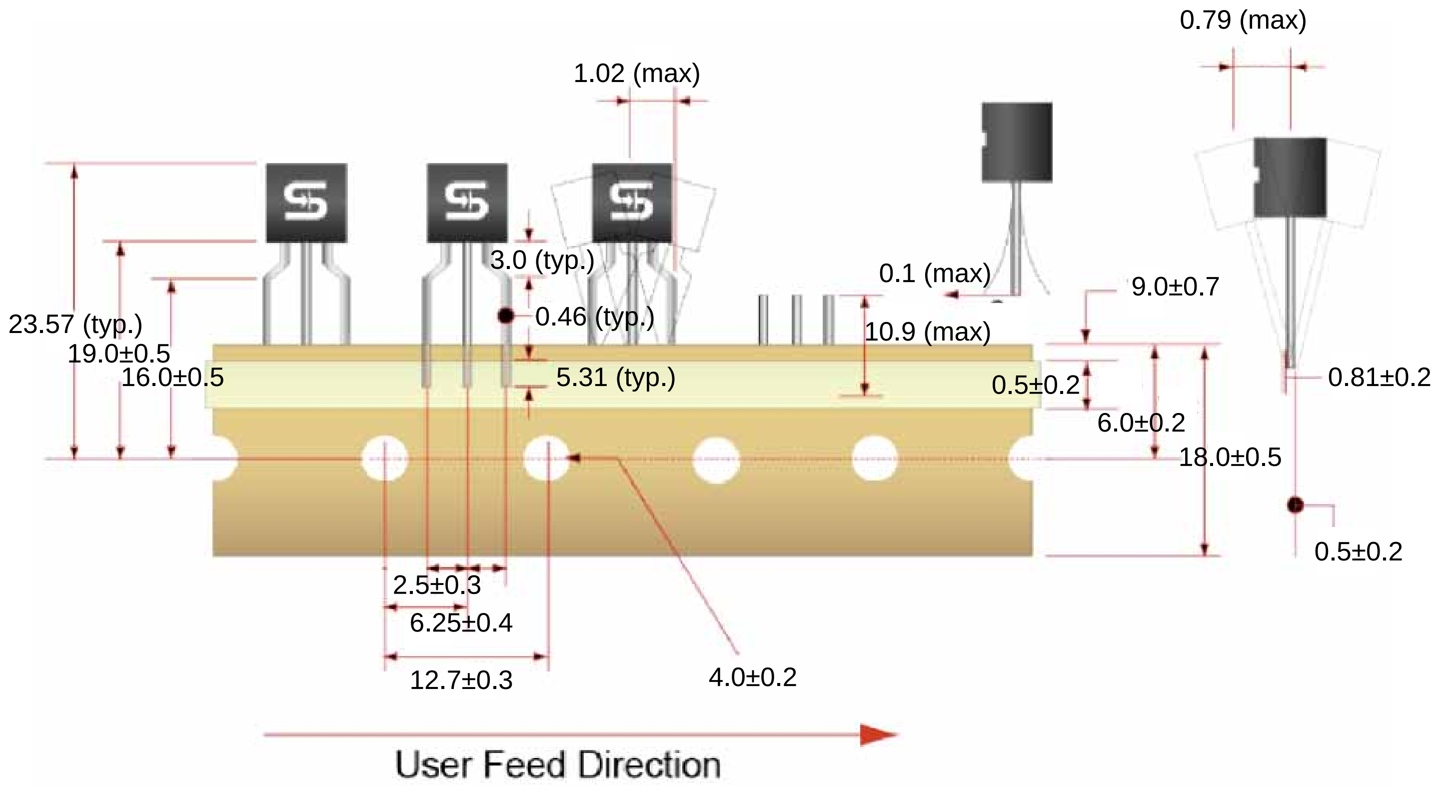
Packaging	Available Product Cutlines	Dimension "A"	Dimension "B"	Dimension "C"	Quantity Box
Radial (Panasert) Ammo Pack	A-405	12.9"(328mm)	1.7"(42mm)	7.9"(200mm)	2K

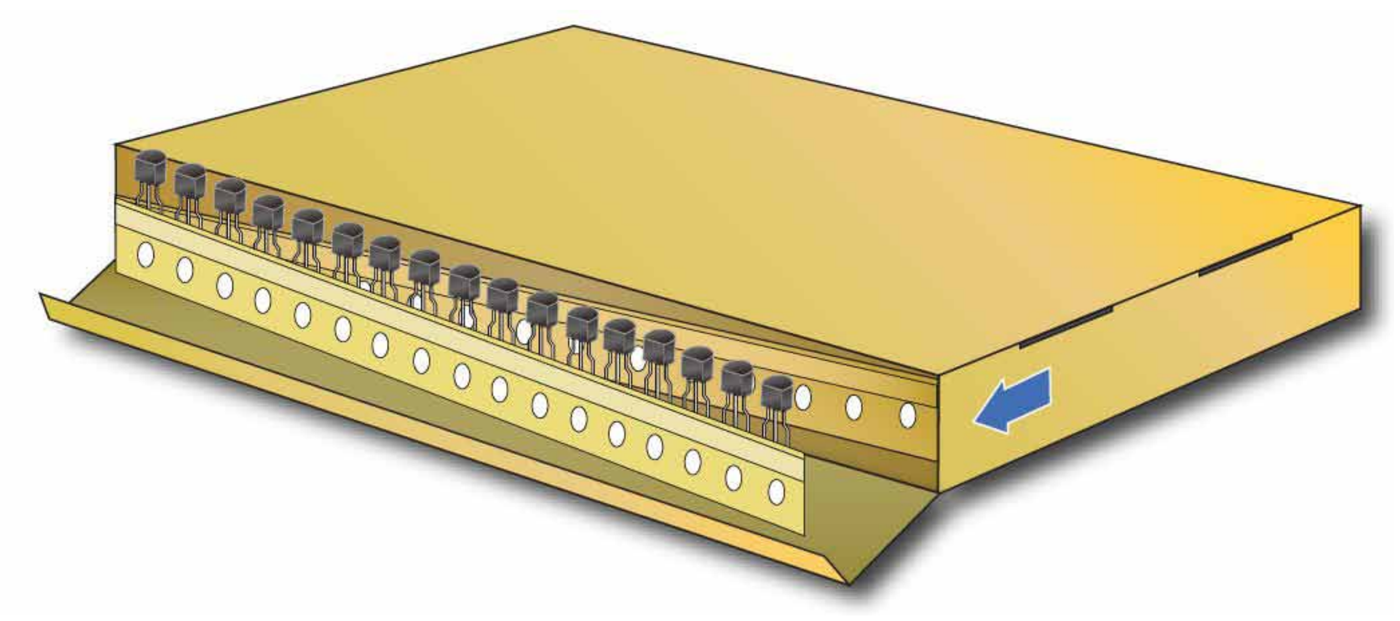
* ALL DIMENSIONS IN MILLIMETERS AND (INCHES)
* STANDARD POLARITY CATHODE ORIENTED AWAY FROM SPROCKET HOLES (OPTIONAL POLARITY CATHODE ORIENTED TOWARD SPROCKET HOLES)

PACKING METHOD CODE

P/N - AB A - N: PANASERT

AMMO PACK SPECIFICATIONS FOR TO-92

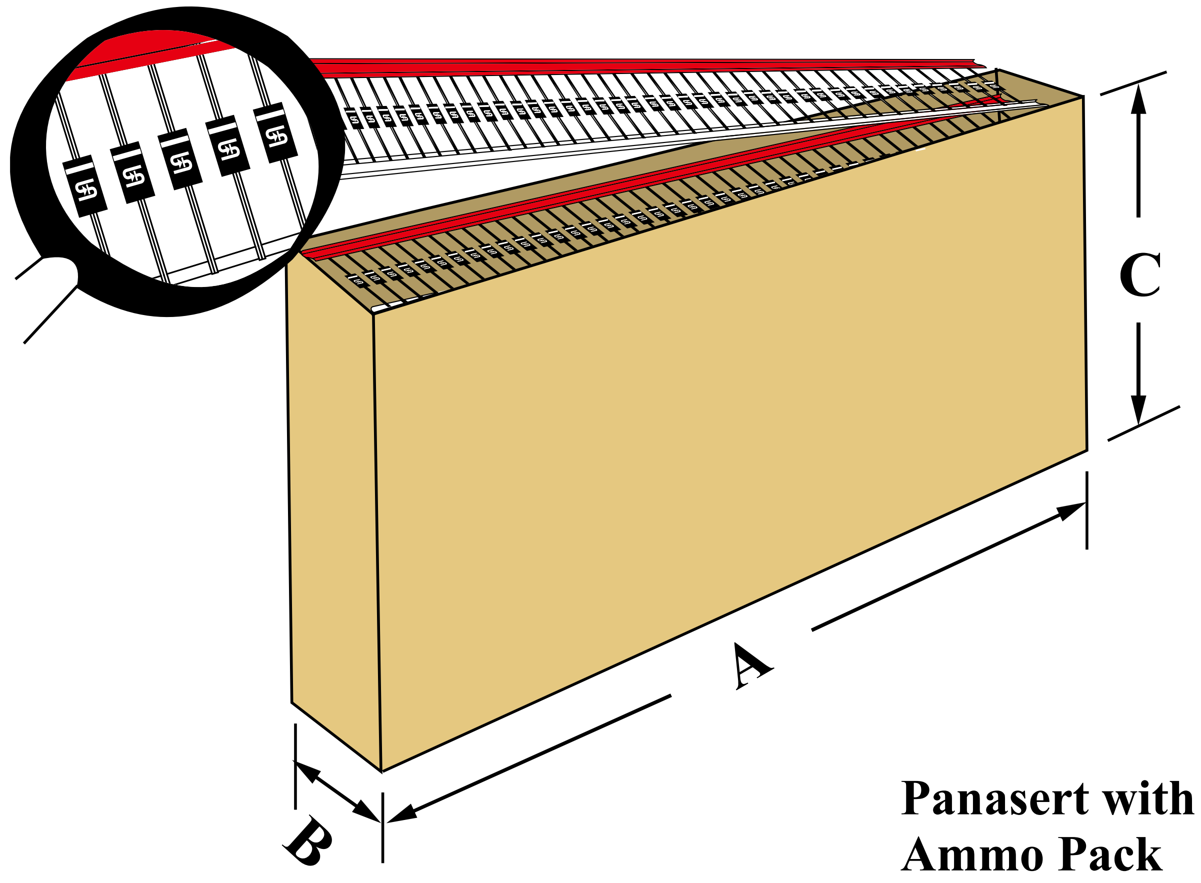




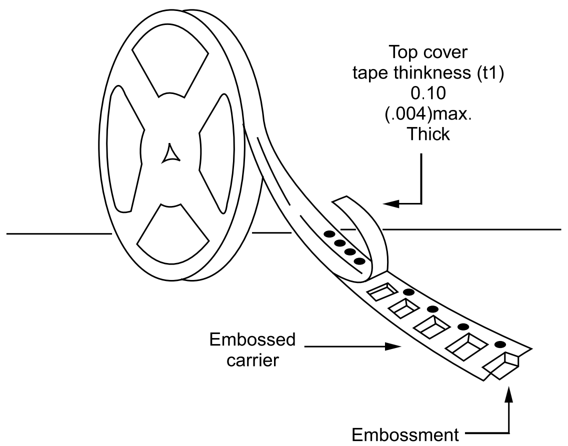
Packaging	Dimension "A"	Dimension "B"	Dimension "C"	Quantity Box
TO-92	13.2"(330mm)	1.6"(40mm)	6.8"(170mm)	2K

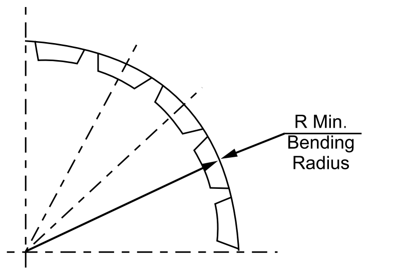
AMMO BOX PACKAGING

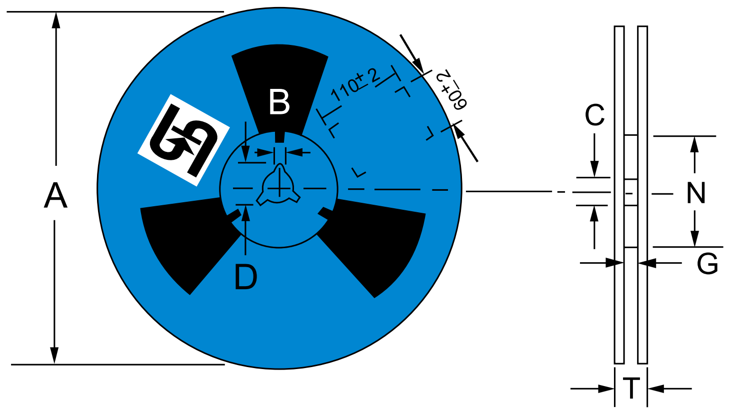
Packaging	Available Product Cutlines	Dimension "A"	Dimension "B"	Dimension "C"	Quantity Box
26mm Horizontal Ammo Pack	TS-1	9.8"(250mm)	2.2"(55mm)	4.0"(102mm)	3K
	A-405				
52mm Horizontal Ammo Pack	TS-1, A-405, DO-41	10.0"-10.1" (251-253mm)	2.9"-3.0" (73-76mm)	2.6"-3.8" (67-97mm)	3K
	DO-15				1.5K
	DO-201, DO-201AD				0.5K
26mm Horizontal Ammo Pack	DO-34(Glass Seal)	10.3"(258mm)	1.9"(49mm)	3.9"(99mm)	10K
	DO-35(Glass Seal)				5K
	DO-41(Glass Seal)				3K
52mm Horizontal Ammo Pack	DO-34(Glass Seal)	10.0"-10.4" (250-260mm)	3.0"-3.2" (76-80mm)	3.2"-4.8" (80-122mm)	10K
	DO-35(Glass Seal)				5K
	DO-41(Glass Seal)				3K



SURFACE MOUNT PACKAGING
(Packed per EIA/JEDEC Standard RS-481)







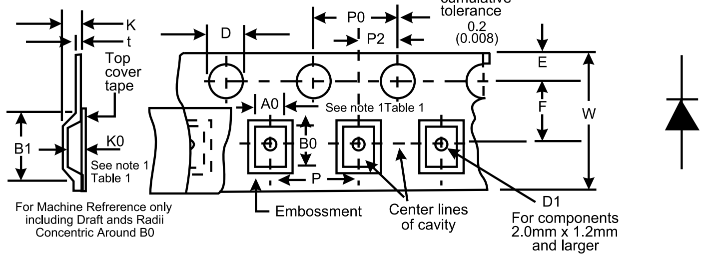
Reel Size	Tape Size (mm)	Case	A (mm)	B (mm)	C (mm)	D min	N (mm)	G (mm)	T max
7"	8	Micro-SMA	178±2	2.2±0.4	13.3+0.5/-0.2	-	60±1.0	9.07+0.8/-0	11.9
		Sub SMA		1.9±0.4	13+0.5/-0.2	21	62±1.0	8.2+0.8/-0	10.6
	12	Sub SMA/ SMA/SMB/ MBS/ABS						12.2+0.8/-0	14.6
	16	SMC						16.2+0.8/-0	18.4
	8	Mini-MELF		1.5min±0.4		20.2	55±1.0	8.4+0.8/-0	14.4
	12						60±1.0	12.4+0.8/-0	18.4
	8	SOT-23 / SOT-25 / SOT-26	178±1	-		-	60±0.5	9+1.5/-0	11+1.5/-0
	12	DFN 2×2 / DFN 3×3					-	14.4	-
		SOT-89 / SOT-89-5L					60±0.5	13+0.15/-0	16+0.15/-0

Reel Size	Tape Size (mm)	Case	A max	B (mm)	C (mm)	D min	N (mm)	G (mm)	T max
13"	8	Sub SMA	330	2±0.5	13±0.5	20.2	75±0.5	8.5+2.0/-0	14.5
	12	SMA/SMB/ MBS/ABS/ Sub SMA						12.42.0/-0	18.4
	16	SMC/DBLS/ DPAK/DBLS						16.42.0/-0	22.4
	24	D²PAK						24.42.0/-0	30.4
	12	MELF		1.5±0.5	13±0.2		50±0.5	12.22.0/-0	18.4
	8	Mini-MELF		1.5min±0.5	13±0.5		100±0.5	8.42.0/-0	14.4
	12							12.42.0/-0	18.4
	8	SOT-23	330±1	-	13+0.5/-0.2	-	62±1.5	8.4±0.2	-
	12	TSSOP-8					-	12.4±0.2	-
	12	SOP-8 / MSOP-8 / SOT-223 / DFN 3×3					97±0.1	13+0.15/-0	17.4+0.15/-0
	16	SOP-14 / SOP-16 / TO-252					62±1.5	16.4±0.2	-
	24	TO-263 / TO-263-5L						24±0.2	-

SURFACE MOUNT PACKAGING
(Packed per EIA/JEDEC Standard RS-481)

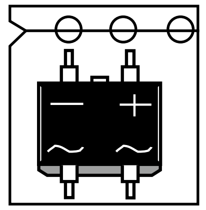
Embossed Carrier Dimensions

u-SMA/Sub SMA/SMA/MELF/Mini-MELF

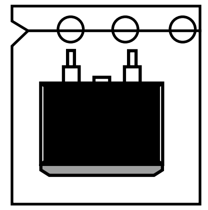


User Direction of Feed

MBS/ABS/DBLS



DPAK/D²PAK



EMBOSSED TAPE **ALL DIMENSION IN MILLIMETERS**

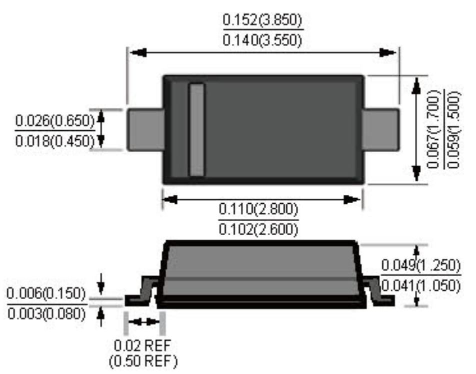
TAPESIZE	D	E	P0	t MAX.	A0/B0/K0	P2	
8mm 12mm 16mm 24mm	1.55+/-0.05	1.75+/-0.10	4±0.20	0.369	0.05~16.2	2+/- 0.1	CONSTANT DIMENSIONS

PRODUCT TYPE	TAPE SIZE	B1 MAX	D1 MIN	F	K MAX	W	P	
Micro-SMA	8mm	2.75+/-0.05	0.5+/-0.05	3.5+/-0.05	1	8+0.3,-0.1	4+/-0.1	VARIABLE DIMENSIONS
Sub SMA		4.6	0.95		1.52			
Sub SMA	12mm	8.2	0.95	5.5+/-0.05	1.52	12+0.3,-0.1		
MELF			1.5		3.0			
SMA					2.46			
SMB					2.77		8+/-0.1	
ABS		-	1.4		6.75			
MBS		8.2	1.5		3.05			
SMC	16mm	12.1	1.5	7.5+/-0.1	2.64	16+0.3,-0.1		
DBLS					3.91		12+/-0.1	
DPAK		10.4+/-0.1	-	4+/-0.1	2.5+/-0.1	16+0.3,-0.3	8+/-0.1	
D²PAK	24mm	20.1	1.5	11.5+/-0.1	5.31	24+0.3,-0.1	16+/-0.1	
Mini-MELF	8mm	3.73±0.05	1.1±0.05	3.5±0.05	1.8±0.05	8±0.05	4±0.1	
	12mm	5.3±0.1	1±0.1	5.5±0.1	3±0.1	3±0.1		
SOT-23 / 25 / 26	8mm	-	-	-	-	8±0.3	4±0.2	
DFN 2×2 / 3×3	12mm					8+0.3/-0.1		
SOT-89 / SOT-89-5L						12±0.3	8.0	
TSSOP-8						-	-	
SOP-8						12±0.3	8±0.1	
MSOP-8						-	-	
SOT-223						16±0.3	8±0.1	
SOP-14 / 16	16mm							
TO-252								
TO-263 /TO-263-5L	24mm					24±0.3	16±0.1	

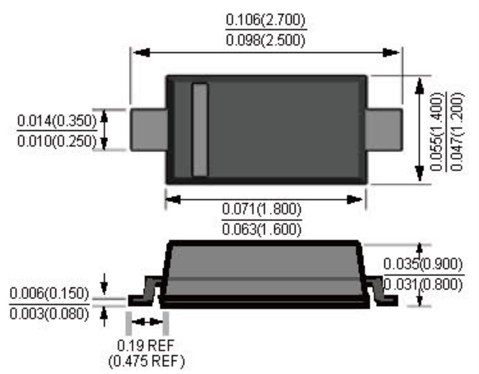
A0,B0,K0 are determined by component size. The clearance between the component and the cavity must be within 0.05mm(.002")min. to 0.65mm(.025")max. for 12mm tape, 0.05mm(.002")min. to 0.90mm(.035") max. for 16mm tape.
in addition, the components cannot rotate more than 20° within the determined cavity.

OUTLINE DRAWINGS

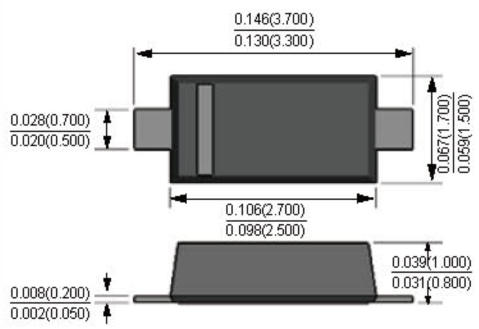
PKG SOD-123G



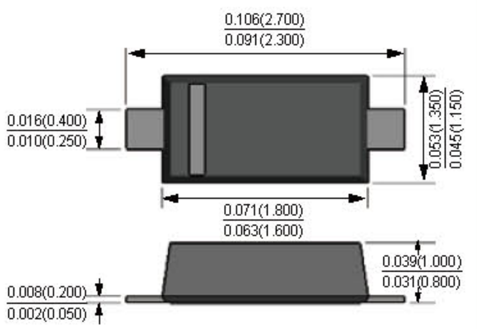
PKG SOD-323G



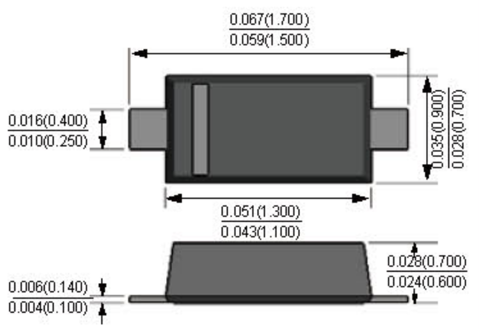
PKG SOD-123



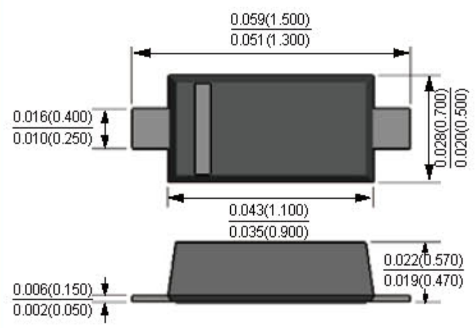
PKG SOD-323



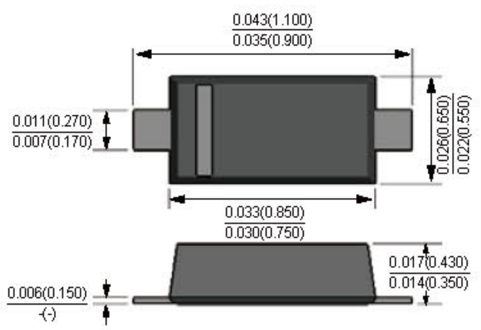
PKG SOD-523



PKG SOD-723



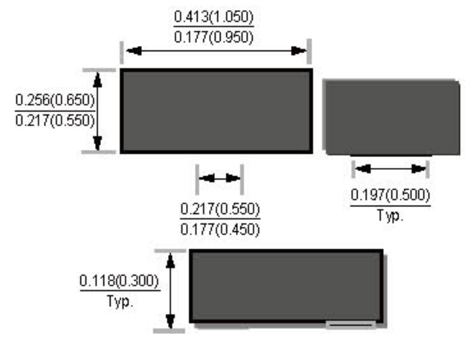
PKG SOD-923



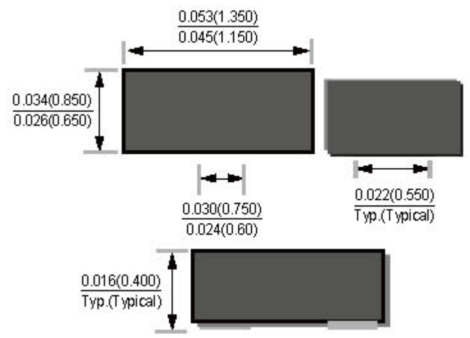
TAIWAN SEMICONDUCTOR
The Smartest Choice

OUTLINE DRAWINGS

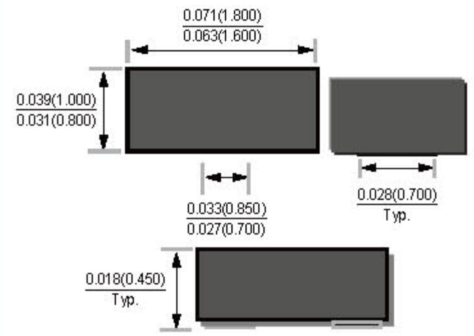
PKG 0402



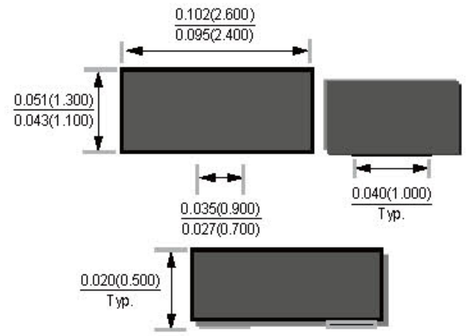
PKG 0503



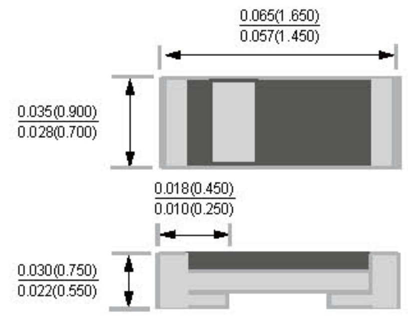
PKG 0603



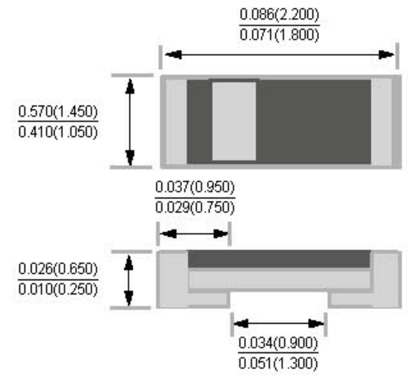
PKG 1005



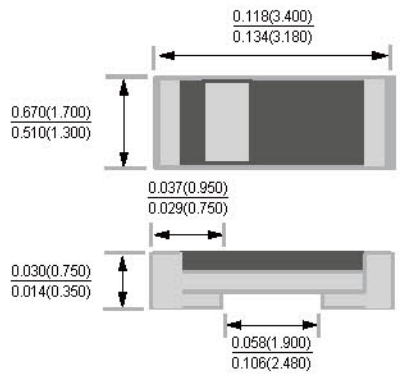
PKG 0603(Ceramic)



PKG 0805(Ceramic)

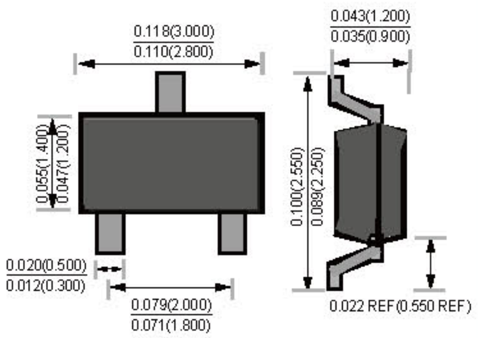


PKG 1206(Ceramic)

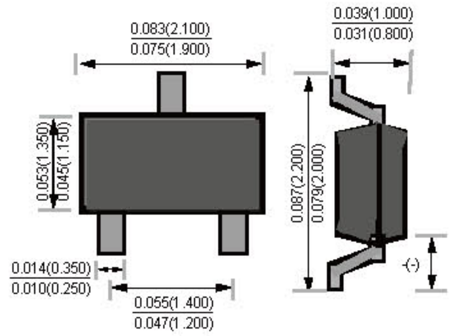


OUTLINE DRAWINGS

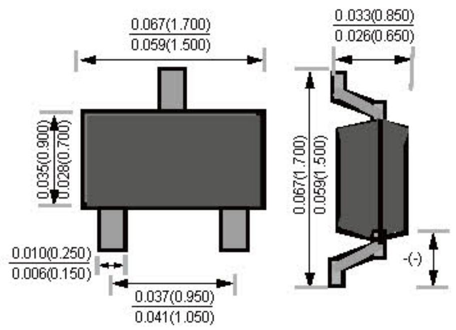
PKG	SOT-23



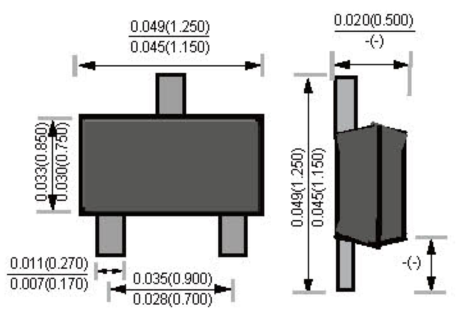
PKG	SOT-323



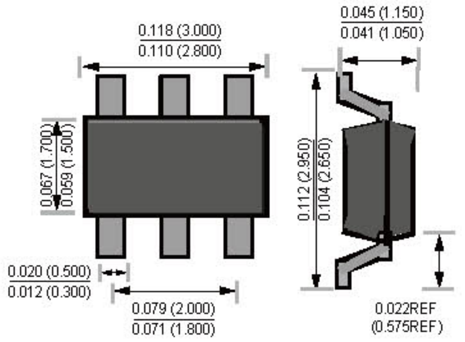
PKG	SOT-523



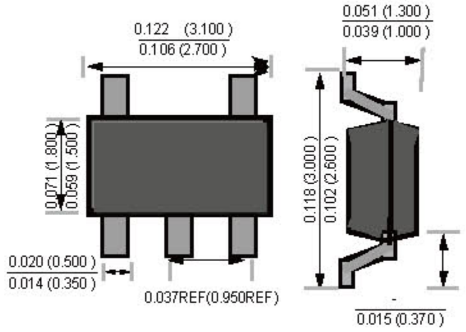
PKG	SOT-723



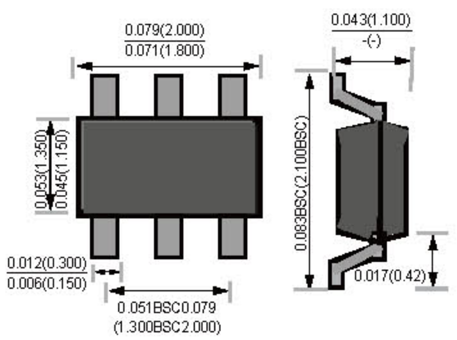
PKG	SOT-26



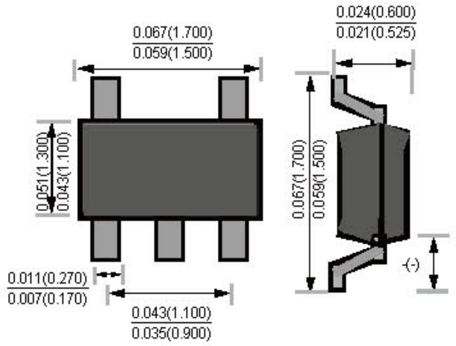
PKG	SOT-25



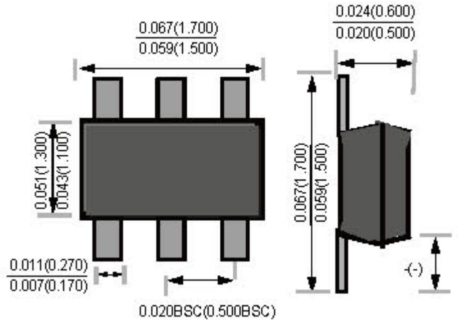
PKG	SOT-363



PKG	SOT-553

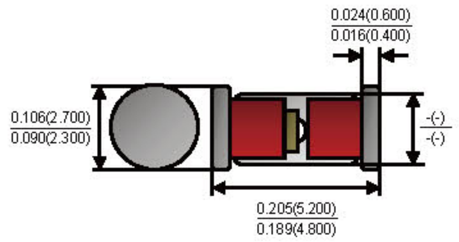


PKG	SOT-563

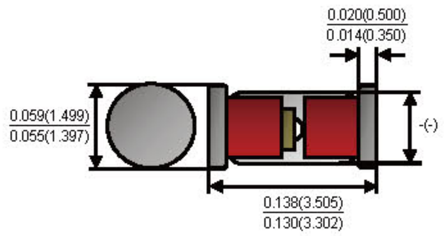


OUTLINE DRAWINGS

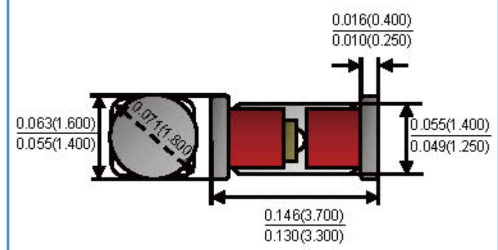
PKG	MELF(LL41)



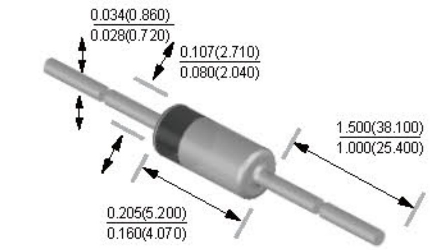
PKG	MMELF(LL34)



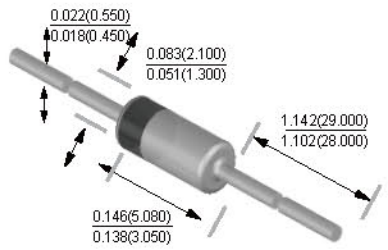
PKG	QMMELF(LS34)



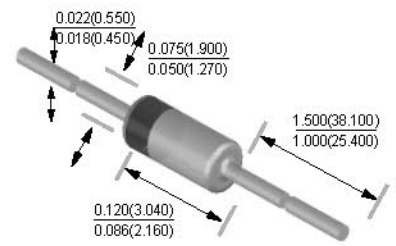
PKG	DO-41



PKG	DO-35

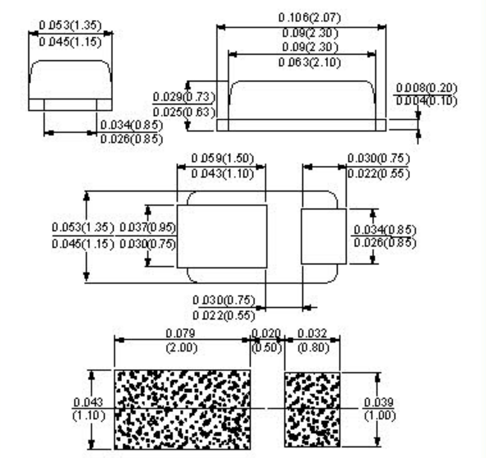


PKG	DO-34

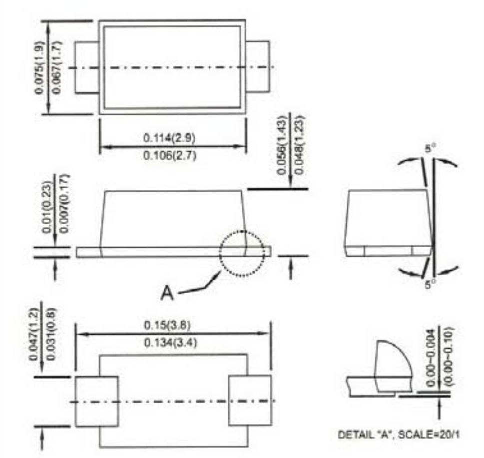


OUTLINE DRAWINGS

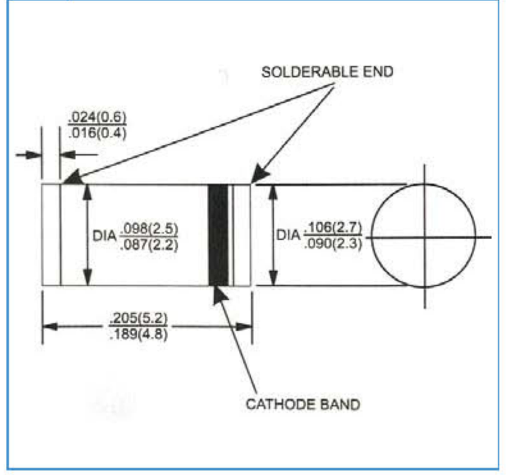
PKG u-SMA



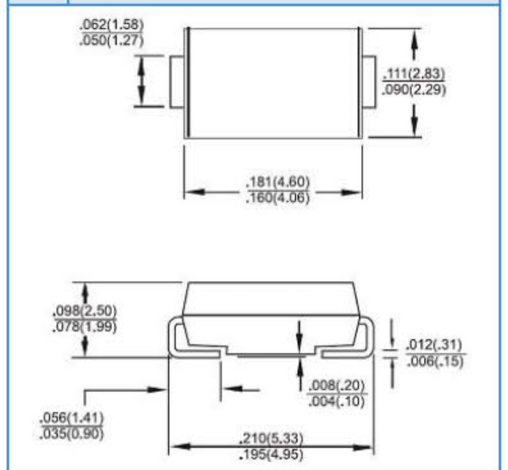
PKG Sub-SMA



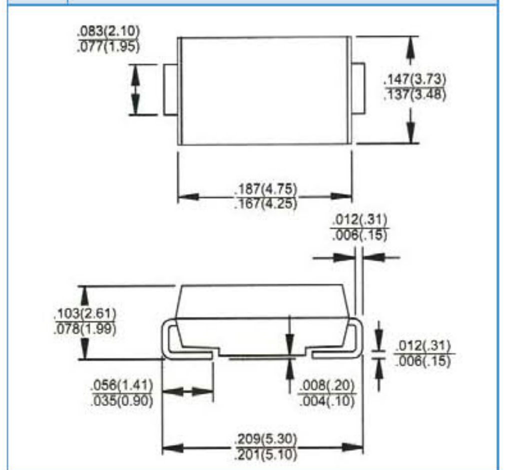
PKG MELF



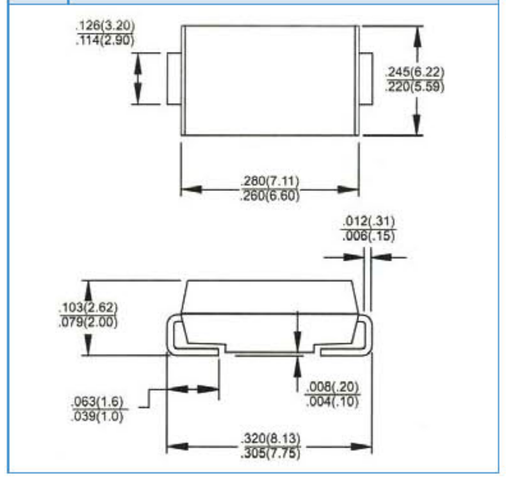
PKG SMA/DO-214AC



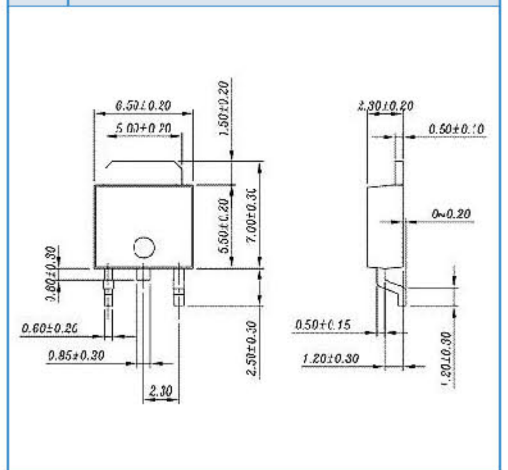
PKG SMB/DO-214AA



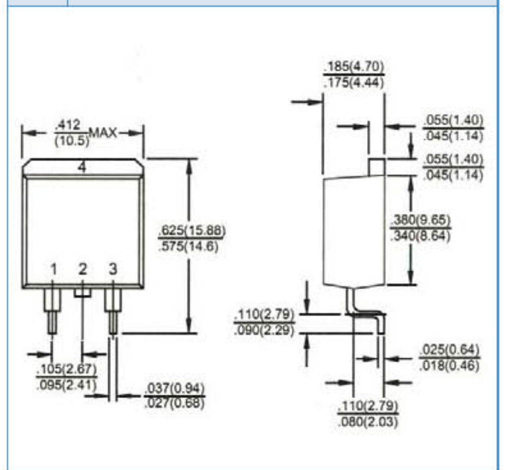
PKG SMC/DO-214AB



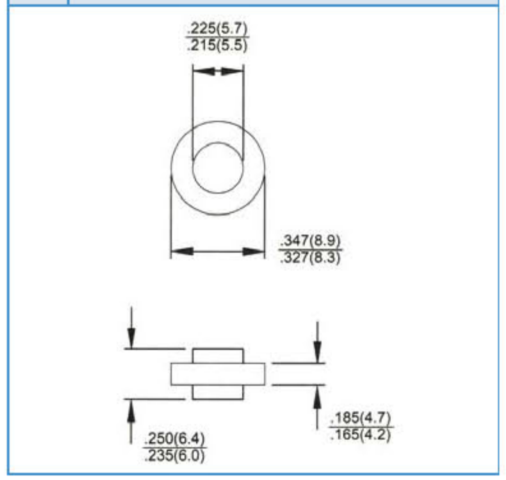
PKG DPAK



PKG D²PAK



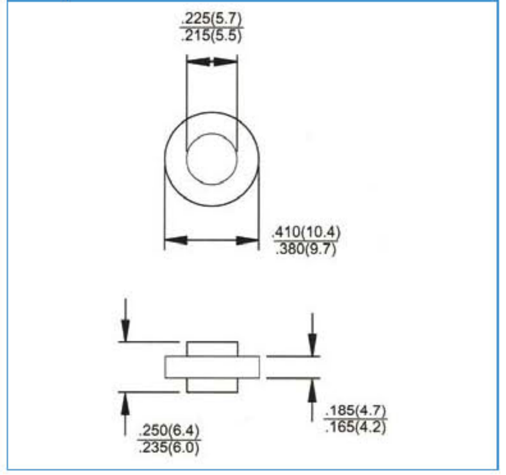
PKG ARS



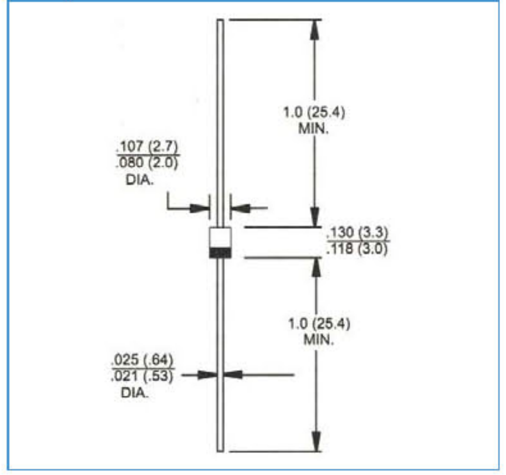
TAIWAN SEMICONDUCTOR
The Smartest Choice

OUTLINE DRAWINGS

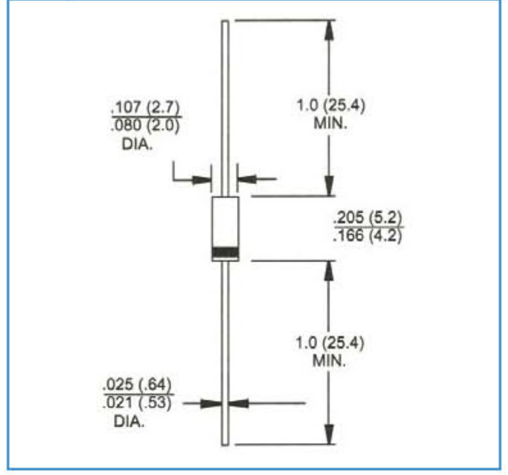
PKG AR



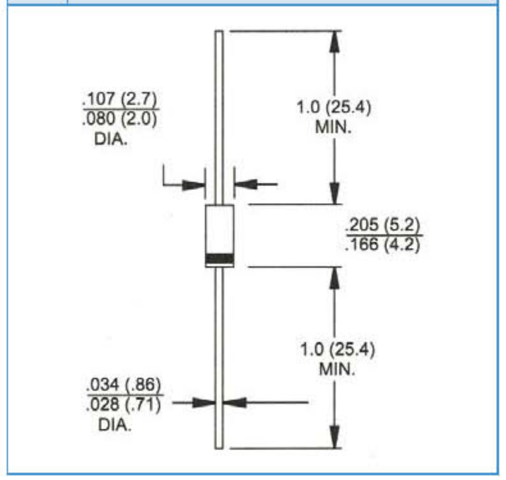
PKG TS-1



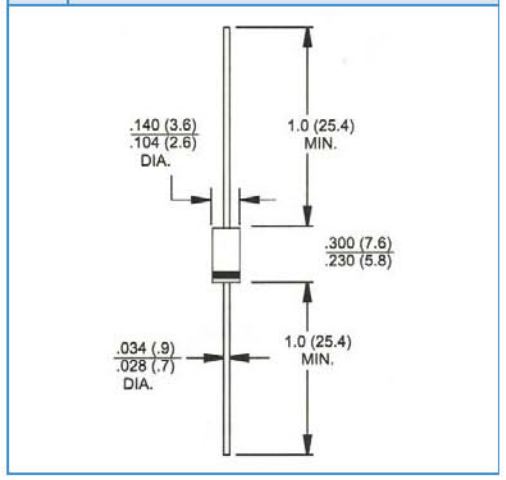
PKG A-405



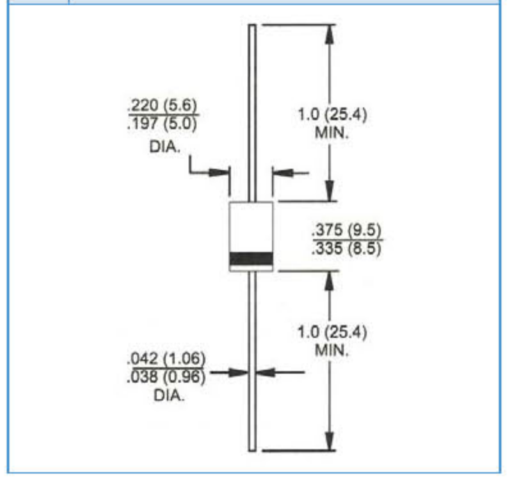
PKG DO-41



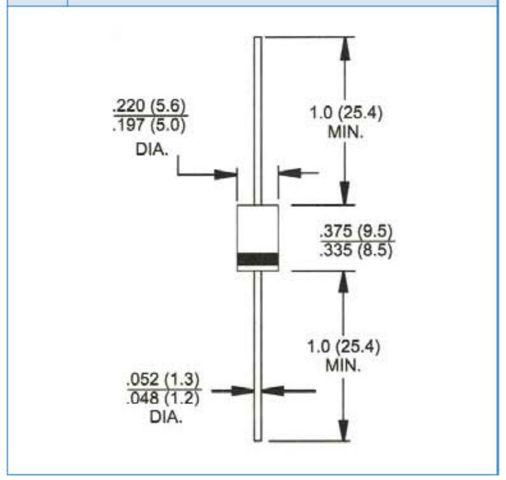
PKG DO-15



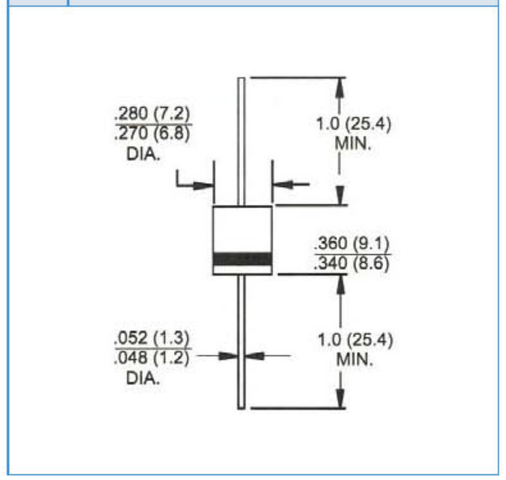
PKG DO-201



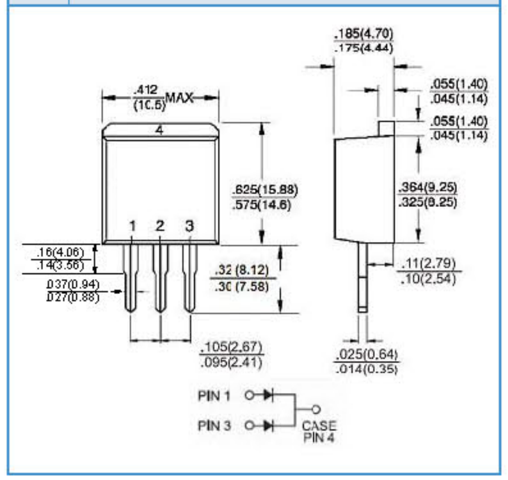
PKG DO-201AD



PKG R-6

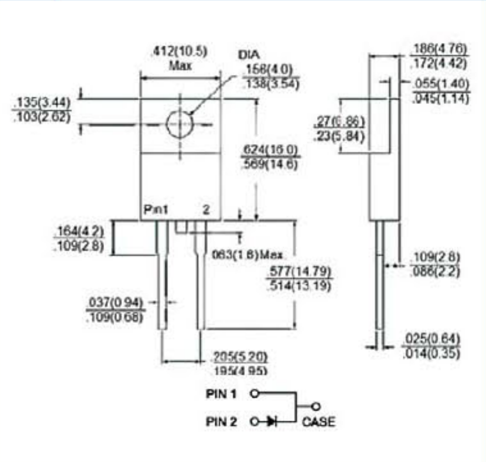


PKG I²PAK

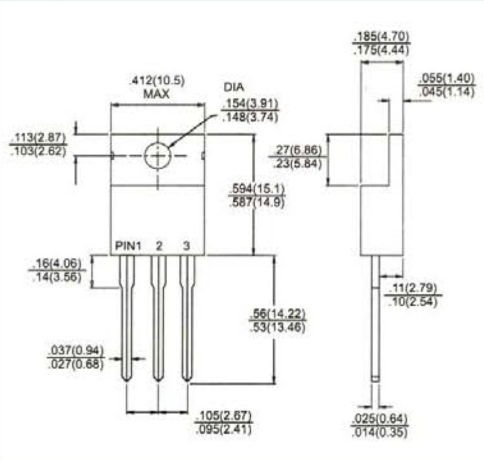


OUTLINE DRAWINGS

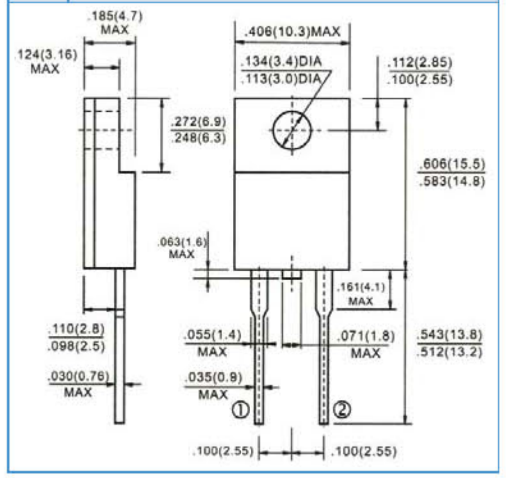
PKG	TO-220AC



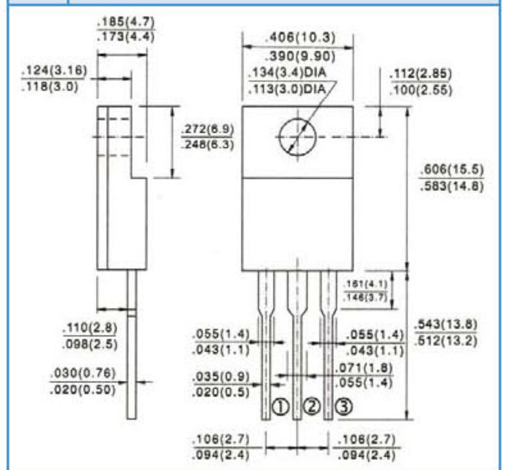
PKG	TO-220AB



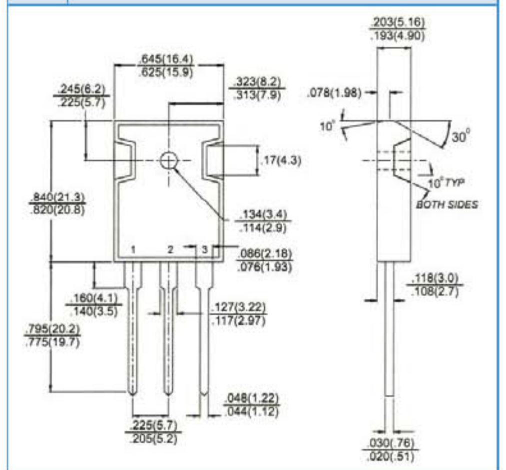
PKG	ITO-220AC



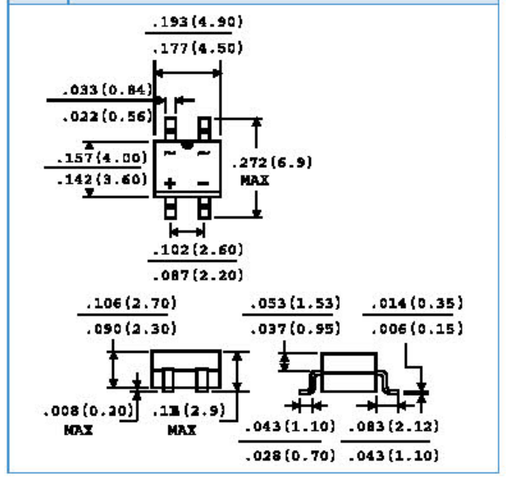
PKG	ITO-220AB



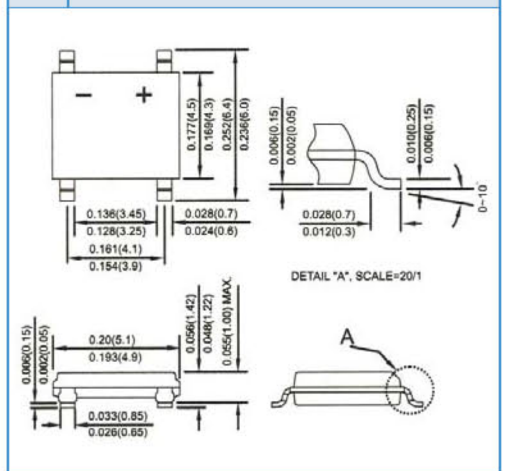
PKG	TO-3P/TO-247AD



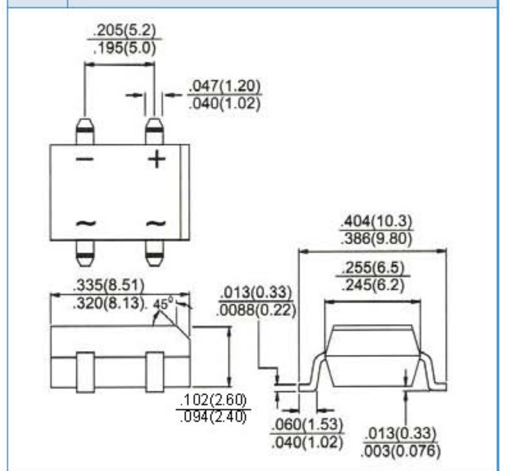
PKG	MBS



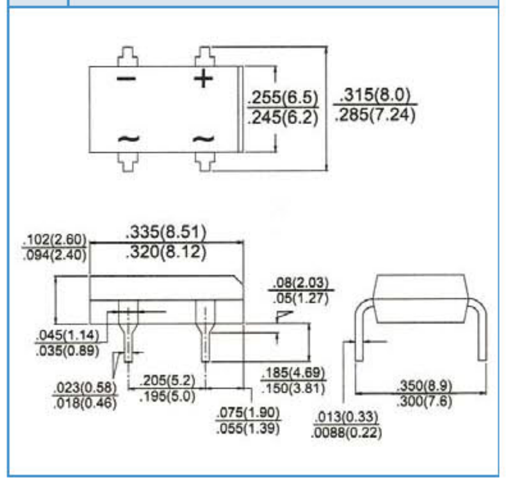
PKG	ABS



PKG	DBLS

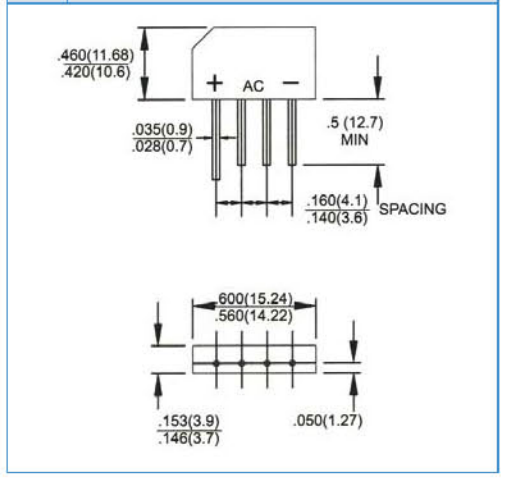


PKG	DBL

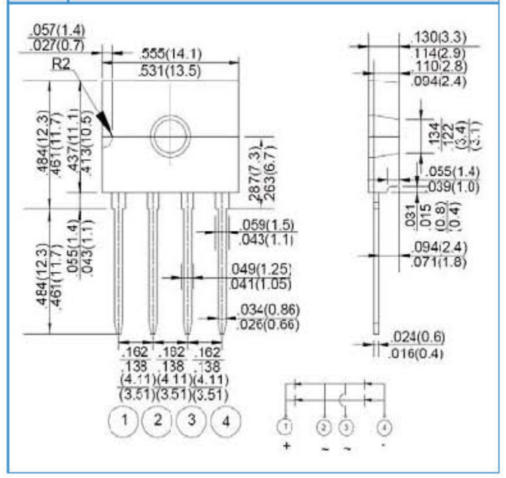


OUTLINE DRAWINGS

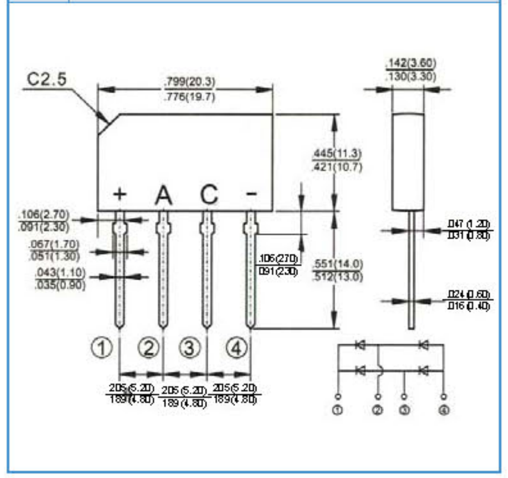
PKG	KBP



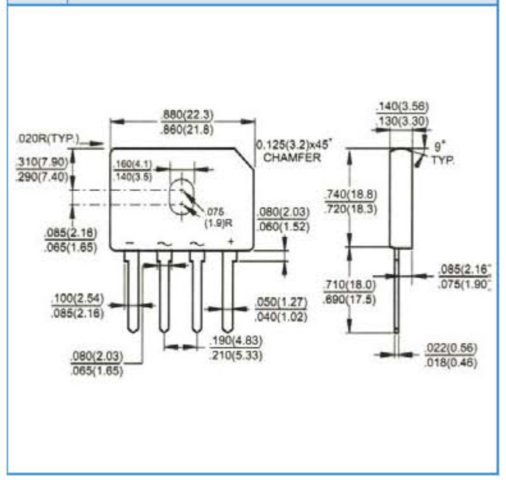
PKG	D3K



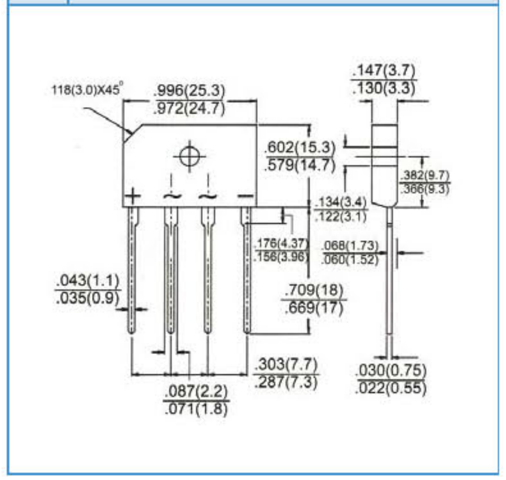
PKG	GBL



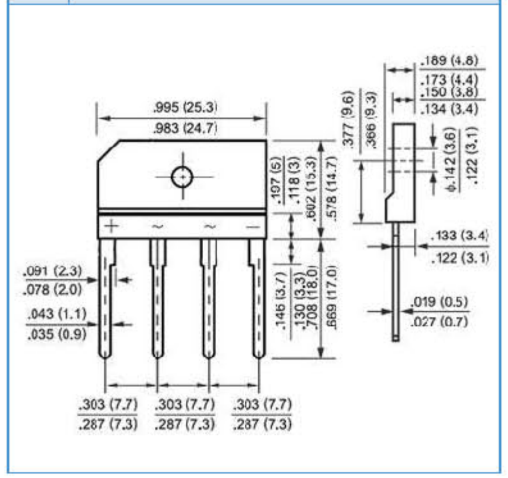
PKG	GBU



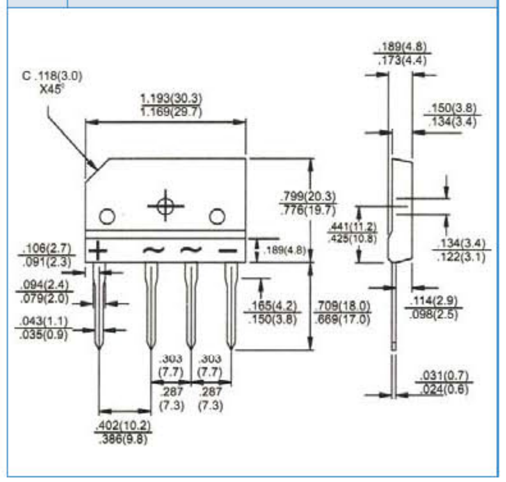
PKG	TS4B



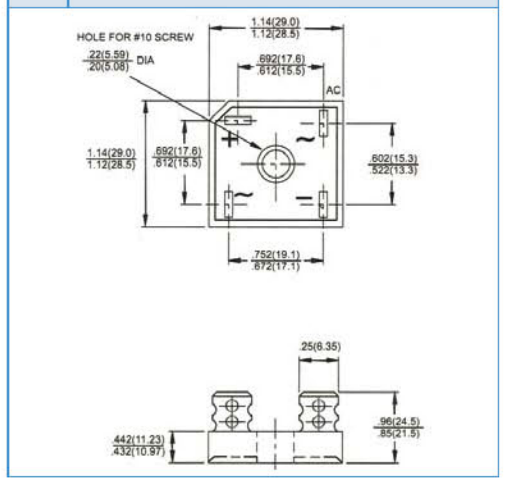
PKG	TS4K(KBJ)



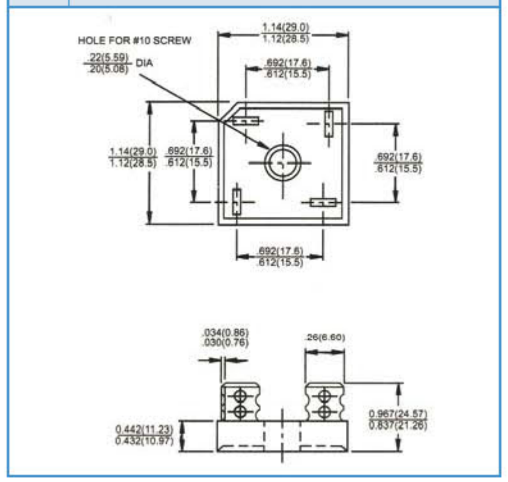
PKG	TS6P



PKG	GBPC

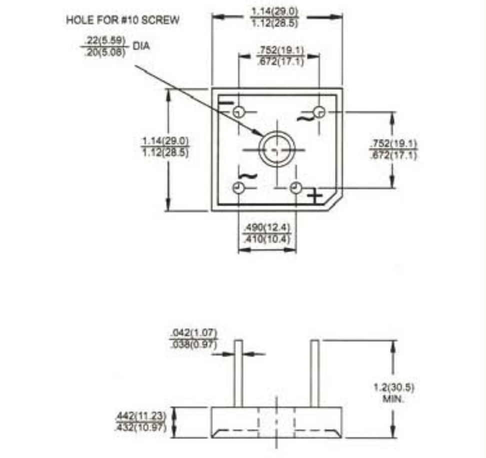


PKG	GBPC-M

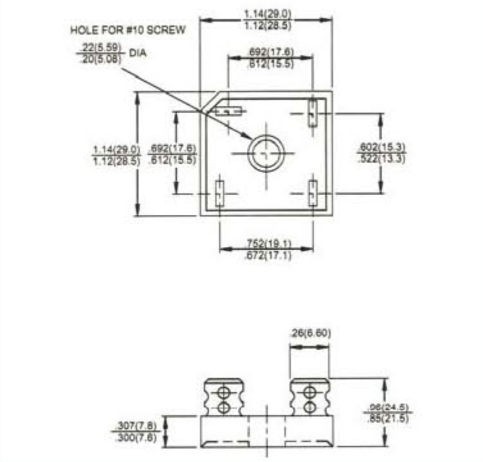


OUTLINE DRAWINGS

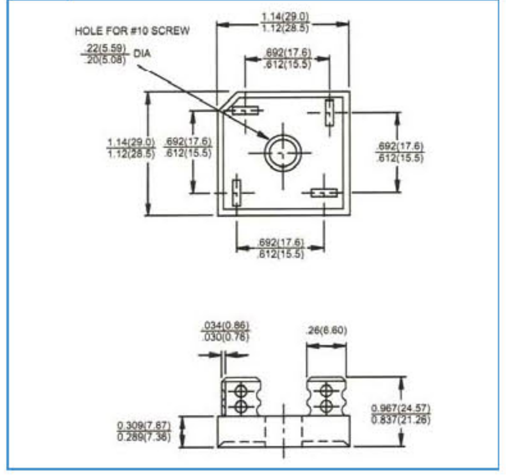
PKG	GBPC-W



PKG	GBPC40

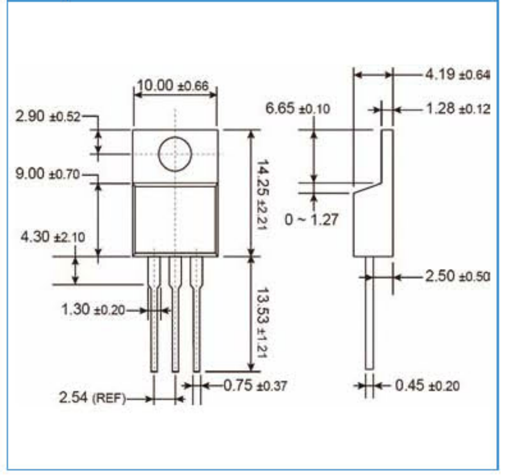


PKG	GBPC40-M

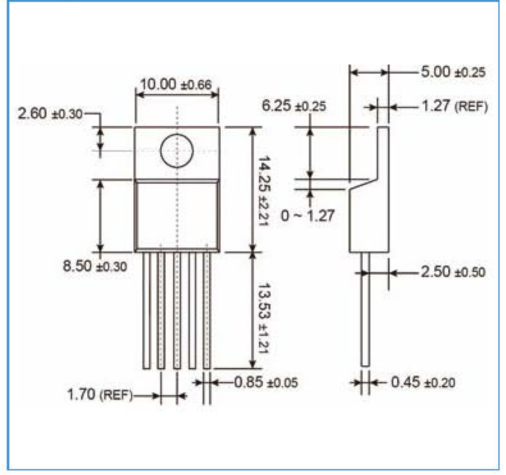


OUTLINE DRAWINGS

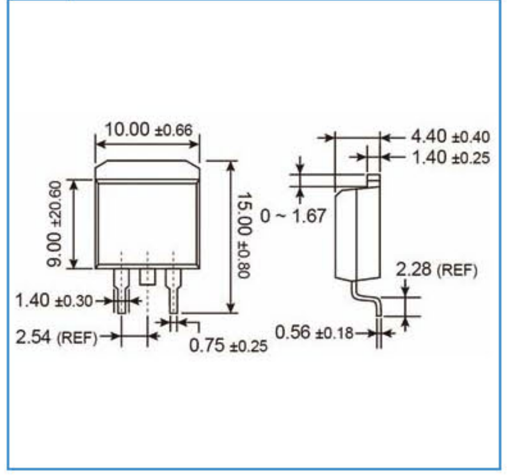
PKG	TO-220



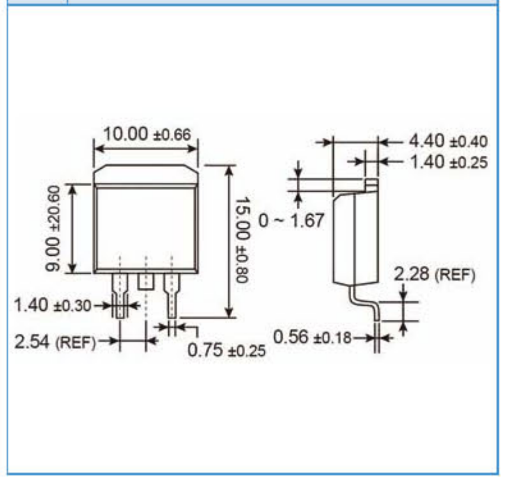
PKG	TO-220-5L



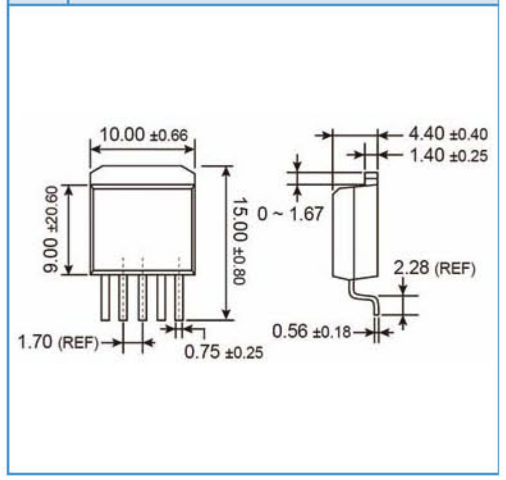
PKG	TO-263-2L



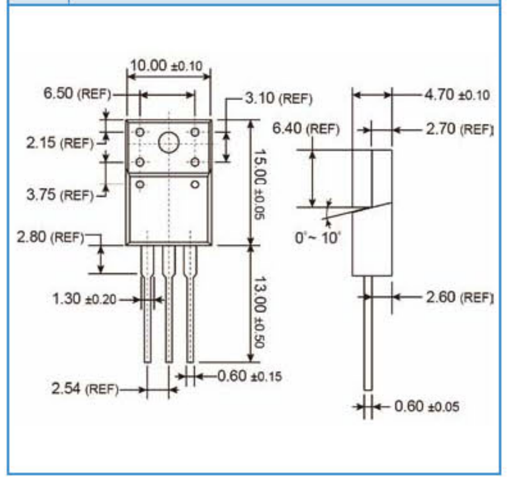
PKG	TO-263-3L



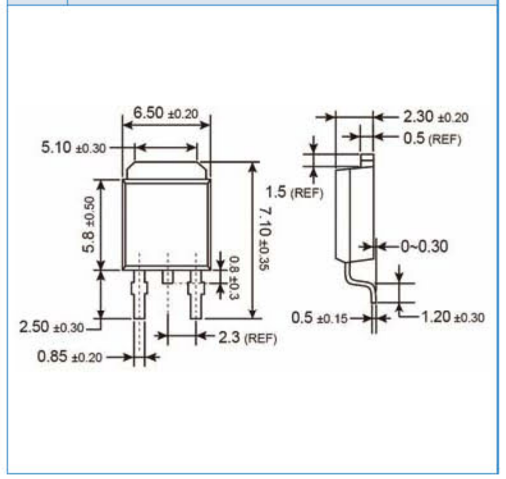
PKG	TO-263-5L



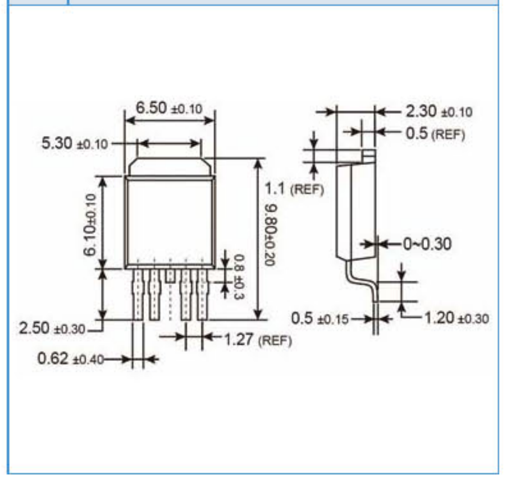
PKG	ITO-220



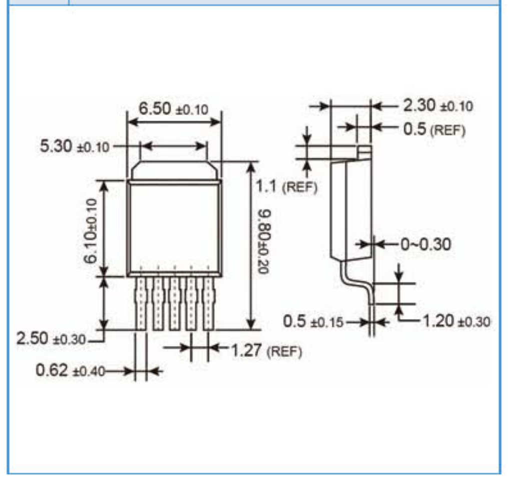
PKG	TO-252



PKG	TO-252-4L

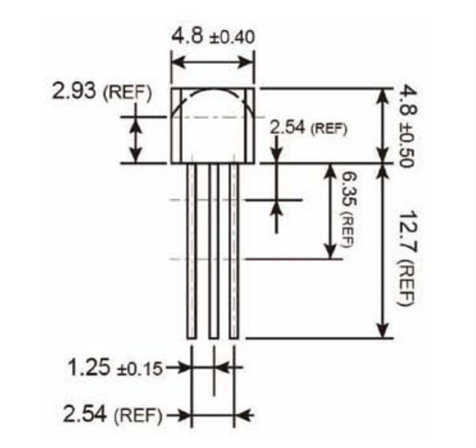


PKG	TO-252-5L

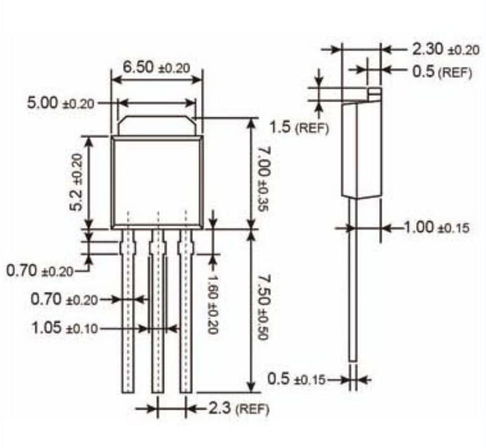


OUTLINE DRAWINGS

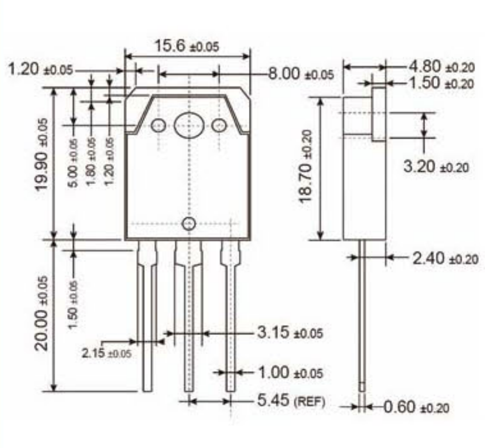
PKG TO-92



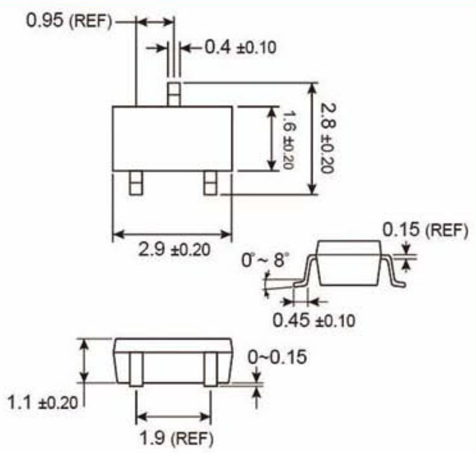
PKG TO-251



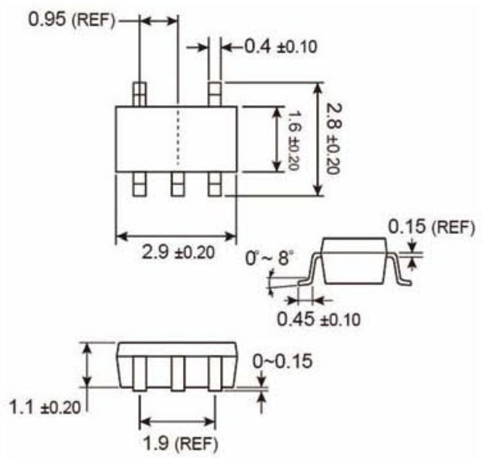
PKG TO-3PN



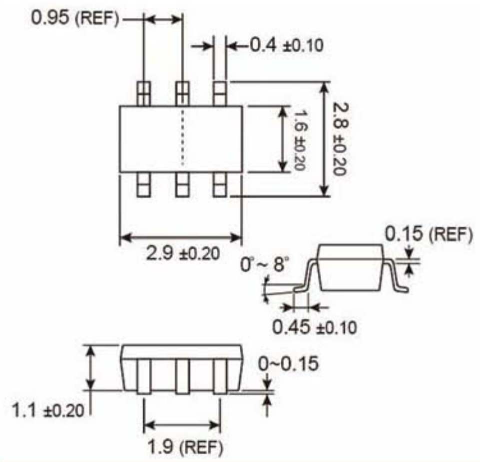
PKG SOT-23



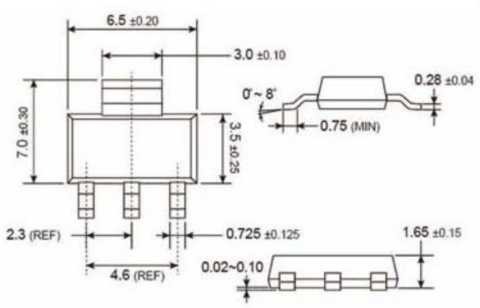
PKG SOT-25



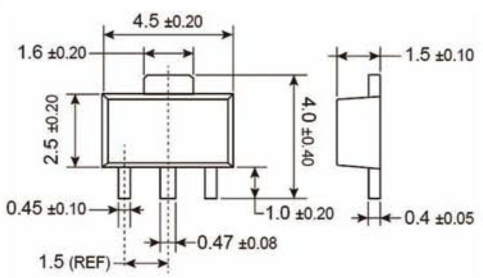
PKG SOT-26



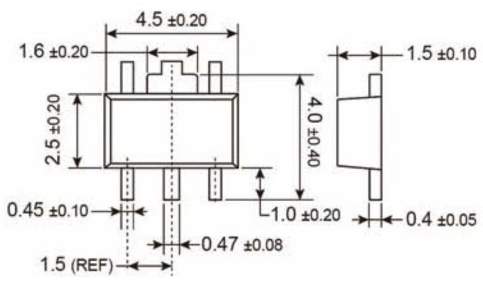
PKG SOT-223



PKG SOT-89



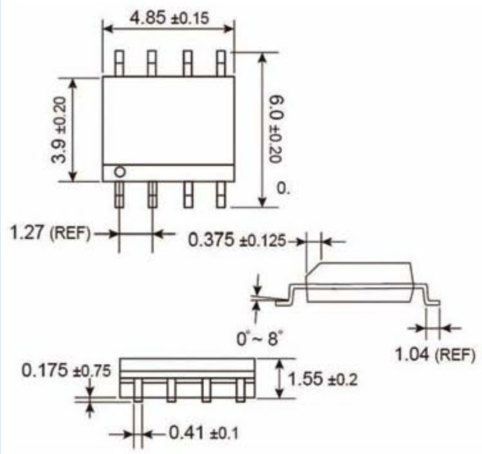
PKG SOT-89-5L



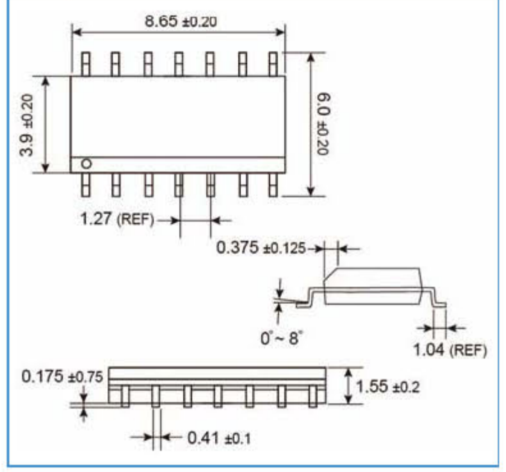
TAIWAN SEMICONDUCTOR
The Smartest Choice

OUTLINE DRAWINGS

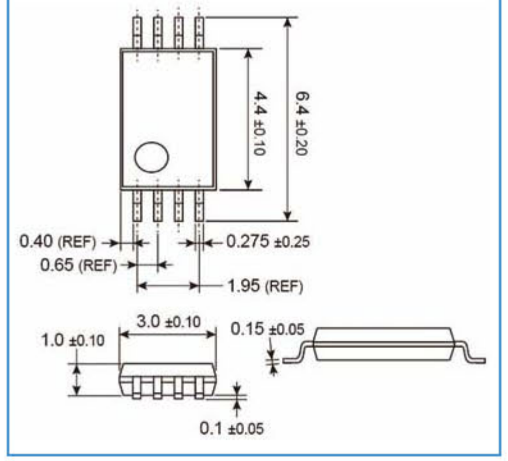
PKG SOP-8



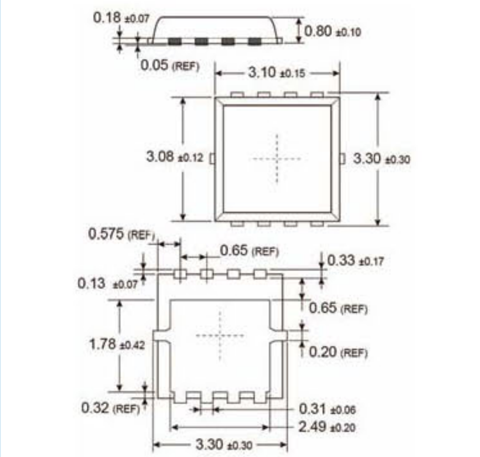
PKG SOP-14



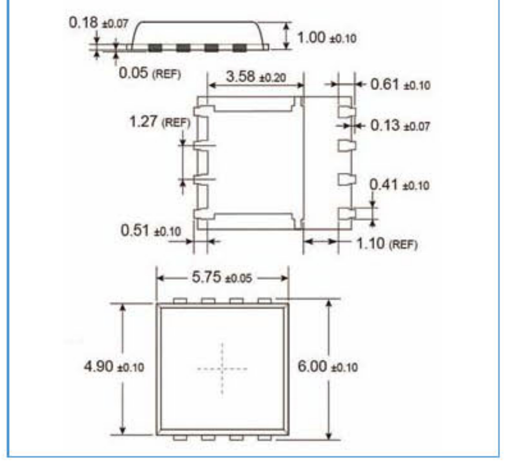
PKG TSSOP-8



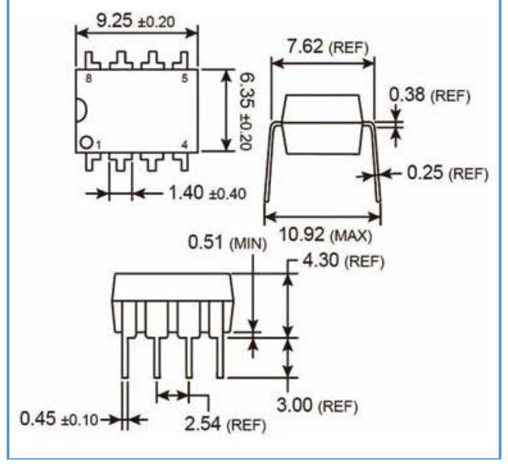
PKG PDFN 3X3



PKG PDFN 5X6



PKG DIP-8



PKG DIP-14