
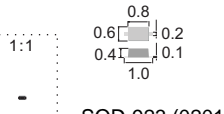
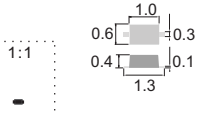
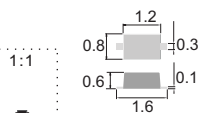
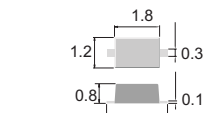
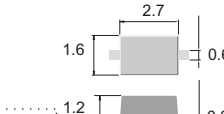
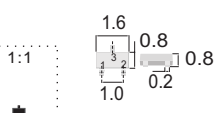
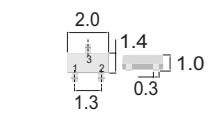
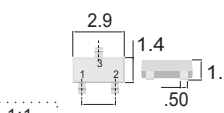
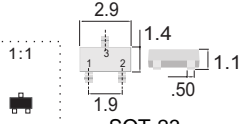
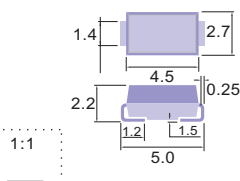
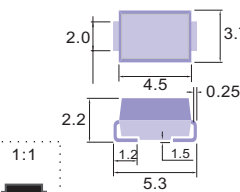
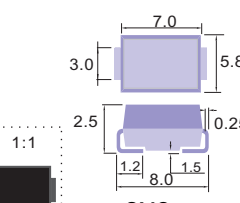
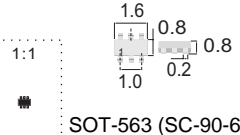
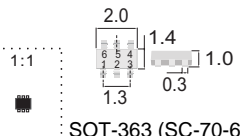
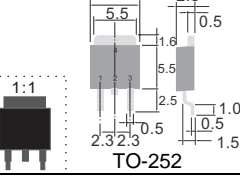
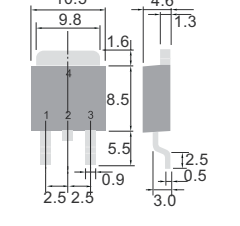
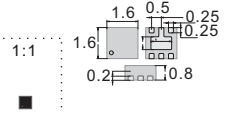
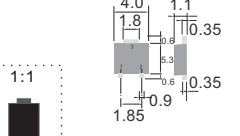


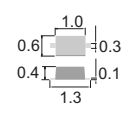
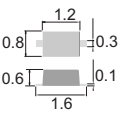
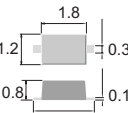
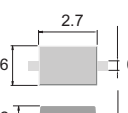
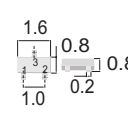
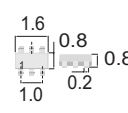
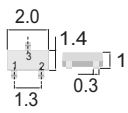
## Schottky Diode (mini size SMD)

Package	Part Number	Peak Repetitive Reverse Voltage	Max Average Rectified Current		Max. Peak Forward Surge Current		Forward Voltage Drop		Max. Reverse Current		Circuit Figure
		V RRM	Io@T		IFSM@T		VF@IF		IR@VR		
		V	A	C	A	S	V	A	uA	V	
 DFN0603-2	BAT42WP	30	0.1	75	0.5	1.0m	0.45	0.01	0.3	10	-
 SOD-923 (0201)	BAT42WM	30	0.2	75	0.6	1	0.32/1.0	0.001/0.1	2	30	-
 SOD-723 (0402)	BAT42WN	30	0.1	75	4	1.0m	0.33/1.0	0.002/0.2	0.5	30	-
 SOD-523 (0603)	BAT42WU	30	0.2	75	4	1.0m	0.33/1.0	0.002/0.2	0.5	30	-
 SOD-323 (0805)	GT0240WS	40	0.2	75	4	1.0m	0.33/1.0	0.002/0.2	0.5	30	-
	BAT42WS	30	0.2	75	4	1.0m	0.33/1.0	0.002/0.2	0.5	30	-
	GT0340WS	30	0.35	75	2	1	0.37/0.6	0.02/0.2	5	20	-
	GT5030WS	30	0.5	75	2	1	0.36/0.47	0.1/0.5	100	20	-
	GT5040WS	40	0.5	75	2	1	0.37/0.6	0.02/0.5	5	20	-
	BAS70WS	70	0.2	25	4	1	0.41/0.7	0.001/0.01	0.1/10	50/70	-
	GT1040WS	40	1	75	2	1	0.37/0.5	0.02/1	5	40	-
	GTL1540WS(Low Vf) GTL2040WS(Low Vf)	40 40	1.5 2	75 75	30 30	8.3m 8.3m	0.25/0.45 0.25/0.45	0.1/1.5 0.1/2	100 100	15 15	- -
 SOD-123 (1206)	GT0530	30	0.2	75	4	1.0m	0.40/1.0	0.010/0.2	0.5	30	-
	GT0340W	30	0.35	75	2	1	0.37/0.6	0.02/0.2	5	20	-
	GT5020-GT5060	20 ~ 60	0.5	75	5.5	8.3m	0.51	0.5	10	20	-
	GT1020-GT10100	20 ~ 100	1	75	50	8.3m	0.50 ~ 0.85	1	500	20	-
	GT2020-GT20100	20 ~ 100	2	75	50	8.3m	0.50 ~ 0.85	2	500	20	-
	GTL2020- GTL2040(Low Vf)	20 ~ 40	2	75	50	8.3m	0.36 ~ 0.4	2	500	20	-
 SOT-523 (SC-90)	GT0230WU	30	0.2	75	0.6	1	0.32/1.0	0.001/0.1	2	25	1-->3
	GT0230AWU	30	0.2	75	0.6	1	0.32/1.0	0.001/0.1	2	25	3-->1, 3-->2
	GT0230CWU	30	0.2	75	0.6	1	0.32/1.0	0.001/0.1	2	25	1-->3, 2-->3
	GT0230SWU	30	0.2	75	0.6	1	0.32/1.0	0.001/0.1	2	25	1-->3, 3-->2
 SOT-323 (SC-70)	GT0230W	30	0.2	75	0.6	1	0.32/1.0	0.001/0.1	2	25	1-->3
	GT0230AW	30	0.2	75	0.6	1	0.32/1.0	0.001/0.1	2	25	3-->1, 3-->2
	GT0230CW	30	0.2	75	0.6	1	0.32/1.0	0.001/0.1	2	25	1-->3, 2-->3
	GT0230SW	30	0.2	75	0.6	1	0.32/1.0	0.001/0.1	2	25	1-->3, 3-->2
	BAS70W	70	0.2	25	0.6	1	0.41/0.75	0.001/0.01	0.1/10	50/70	1-->3
	BAS70AW	70	0.2	25	0.6	1	0.41/0.75	0.001/0.01	0.1/10	50/70	3-->1, 3-->2
	BAS70CW	70	0.2	25	0.6	1	0.41/0.75	0.001/0.01	0.1/10	50/70	1-->3, 2-->3
	BAS70SW	70	0.2	25	0.6	1	0.41/0.75	0.001/0.01	0.1/10	50/70	1-->3, 3-->2
 SOT-23	GT0230	30	0.2	75	0.6	1	0.32/1.0	0.001/0.1	2	25	1-->3
	GT0230A	30	0.2	75	0.6	1	0.32/1.0	0.001/0.1	2	25	3-->1, 3-->2
	GT0230C	30	0.2	75	0.6	1	0.32/1.0	0.001/0.1	2	25	1-->3, 2-->3
	GT0230S	30	0.2	75	0.6	1	0.32/1.0	0.001/0.1	2	25	1-->3, 3-->2
	GT0540A	40	0.5	75	2.5	1	0.3/0.55	0.01/0.5	2	25	1-->3
	GT1025A	25	1	75	2.5	1	0.3/0.55	0.01/0.5	2	25	1-->3
	GT2025A	25	2	75	2.5	1	0.3/0.55	0.01/0.5	2	25	1-->3

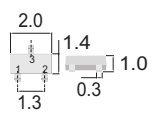
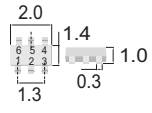
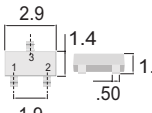
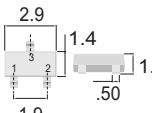
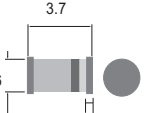
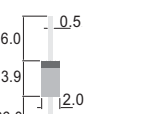
# Schottky Diode (mini size SMD)

Package	Part Number	Peak Repetitive Reverse Voltage	Max Average Rectified Current		Max. Peak Forward Surge Current		Forward Voltage Drop		Max. Reverse Current		Circuit Figure
		V <sub>RRM</sub>	I <sub>o</sub> @T		IFSM@T		VF@IF		IR@VR		
		V	A	C	A	S	V	A	uA	V	
 SOT-23	BAS70	70	0.2	25	0.6	1	0.41/0.75	0.001/0.01	0.1/10	50/70	1-->3
	BAS70A	70	0.2	25	0.6	1	0.41/0.75	0.001/0.01	0.1/10	50/70	3-->1, 3-->2
	BAS70C	70	0.2	25	0.6	1	0.41/0.75	0.001/0.01	0.1/10	50/70	1-->3, 2-->3
	BAS70S	70	0.2	25	0.6	1	0.41/0.75	0.001/0.01	0.1/10	50/70	1-->3, 3-->2
 SMA	SS12-S100	20 ~ 100	1	75	30	1	0.5 ~ 0.85	1	500	20~100	-
	GTL12-GTL14	20 ~ 40	1	75	30	1	0.4	1	500	20 ~ 40	-
	SR22-SR210	20 ~ 100	2	75	50	1	0.5 ~ 0.85	2	500	20 ~ 60	-
	SD2-SD6	20 ~ 60	3	75	50	1	0.45 ~ 0.65	2	500	20 ~ 60	-
	GT3020A-GT3040A	20 ~ 40	3	75	80	8.3m	0.475 ~ 0.5	3	1m	20 ~ 40	-
	SL32AU (Ultra Low VF)	20	3	75	50	1	0.3 / 0.4	1.5 / 3	500	20 ~ 60	-
	GT5040L	20	5	75	70	1	0.45	0.5	700	20	-
 SMB	SK22-S210	20 ~ 100	2	105	50	1	0.5 ~ 0.85	2	500	20 ~ 60	-
	GTL22-GTL24	20 ~ 40	2	75	30	1	0.4	2	500	20 ~ 40	-
	SR32-SR310	20 ~ 100	3	75	80	1	0.5 ~ 0.85	3	500	20 ~ 60	-
	GT5020S-GT5060S	20 ~ 60	5	75	100	1	0.5 ~ 0.85	5	500	20 ~ 40	-
 SMC	SK32-S310	20 ~ 100	3	75	100	1	0.5 ~ 0.85	3	500	20 ~ 60	-
	GTL32-GTL34	20 ~ 40	3	75	100	1	0.4	3	500	20 ~ 60	-
	SK5xx	20 ~ 40	5	75	100	1	0.5 ~ 0.85	5	500	20 ~ 40	-
	GT8020S-GT8060S	20 ~ 60	8	100	75	1	0.55 ~ 0.85	8	500	20 ~ 40	-
	GT1002S-GT1006S	20 ~ 60	10	100	75	1	0.55 ~ 0.85	10	500	20 ~ 40	-
 SOT-563 (SC-90-6)	GT0230DWU	30	0.2	75	0.6	1	0.32/1.0	0.001/0.1	2	25	1-->6, 2-->5, 3-->4
	GT0230ADWU	30	0.2	75	0.6	1	0.32/1.0	0.001/0.1	2	25	6-->1, 6-->2, 3-->4, 3-->5
	GT0230CDWU	30	0.2	75	0.6	1	0.32/1.0	0.001/0.1	2	25	1-->6, 2-->6, 4-->3, 5-->3
	GT0230SDWU	30	0.2	75	0.6	1	0.32/1.0	0.001/0.1	2	25	1-->6, 6-->2, 4-->3, 3-->5
 SOT-363 (SC-70-6)	GT0230DW	30	0.2	75	0.6	1	0.32/1.0	0.001/0.1	2	25	1-->6, 2-->5, 3-->4
	GT0230ADW	30	0.2	75	0.6	1	0.32/1.0	0.001/0.1	2	25	6-->1, 6-->2, 3-->4, 3-->5
	GT0230CDW	30	0.2	75	0.6	1	0.32/1.0	0.001/0.1	2	25	1-->6, 2-->6, 4-->3, 5-->3
	GT0230SDW	30	0.2	75	0.6	1	0.32/1.0	0.001/0.1	2	25	1-->6, 6-->2, 4-->3, 3-->5
 TO-252	SD620CS-SD660CS	20 ~ 60	6	75	75	1	0.55 ~ 0.85	6	500	20 ~ 40	-
	SD820CS-SD860CS	20 ~ 60	8	75	75	1	0.55 ~ 0.85	8	500	20 ~ 40	-
	SD1020YS-SD1060YS	20 ~ 60	10	100	75	1	0.55 ~ 0.85	10	500	20 ~ 40	-
 TO-263	SB820DC-SB8150DC	20 ~ 150	8	100	75	1	0.55 ~ 0.85	8	500	20 ~ 40	-
	SB1020DC-SB10150DC	20 ~ 150	10	100	75	1	0.55 ~ 0.85	10	500	20 ~ 40	-
	SB1620DC-SB16150DC	20 ~ 150	16	100	75	1	0.55 ~ 0.85	16	500	20 ~ 40	-
	SB2020DC-SB2060DC	20 ~ 60	20	100	75	1	0.55 ~ 0.85	20	500	20 ~ 40	-
	SB2520DC-SB2560DC	20 ~ 60	25	100	75	1	0.55 ~ 0.85	25	500	20 ~ 40	-
 QFN	GT0240VN	40	0.2	100	30	1	0.55 ~ 0.85	8	500	20 ~ 40	-
 miniTO-252	GTS5040P	40	5	75	30	1	0.55 ~ 0.85	5	2000	40	-
	GTS1040P	40	10	75	30	1	0.55 ~ 0.85	10	2000	40	-

# Switching Diode (mini size SMD)

Package	Part Number	Peak Repetitive Reverse Voltage	Max Average Rectified Current		Max. Peak Forward Surge Current		Forward Voltage Drop		Max. Reverse Current		Circuit Figure
		V <sub>RRM</sub>	I <sub>o</sub> @T		I <sub>FSM</sub> @T		V <sub>F</sub> @I <sub>F</sub> (Max)		I <sub>R</sub> @V <sub>R</sub>		
		V	A	C	A	S	V	A	A	V	
 <p>1:1</p> <p>SOD-723</p>	BAS16NS	80	0.225	75	4	8.3m	1	0.01	0.005	75	-
 <p>1:1</p> <p>SOD-523</p>	BAS16US	80	0.225	75	4	8.3m	1	0.01	0.005	75	-
 <p>1:1</p> <p>SOD-323</p>	BAS16WS	75	0.225	75	4	8.3m	1	0.05	0.005	75	-
	1N4148WS	100	0.2	75	4	1.0m	1	0.05	2.5u	75	-
	BAV16WS	100	0.1	75	2	1.0uS	0.855	0.01	1u	75	-
	BAV19WS	120	0.1	75	2.5	1.0uS	1	0.1	0.1u	100	-
	BAV20WS	200	0.1	75	2.5	1.0uS	1	0.1	0.1u	150	-
	BAV21WS	250	0.1	75	2.5	1.0uS	1	0.1	0.1u	200	-
 <p>1:1</p> <p>SOD-123</p>	1N4148W	100	0.2	75	2.5	1.0m	1	0.1	0.1u	100	-
	BAV16W	100	0.1	75	2	1.0uS	0.855	0.01	1u	75	-
	BAV19W	120	0.1	75	2.5	1.0uS	1	0.1	0.1u	100	-
	BAV20W	200	0.1	75	2.5	1.0uS	1	0.1	0.1u	150	-
	BAV21W	250	0.1	75	2.5	1.0uS	1	0.1	0.1u	200	-
 <p>1:1</p> <p>SOT-523</p>	GS02BWU	100	0.2	75	2	1.0m	0.855	0.01	1	75	1-->3
	GS02BAWU	100	0.2	75	2	1.0m	1	0.05	2.5	75	3-->1, 3-->2
	GS02BCWU	100	0.2	75	2	1.0m	1	0.05	2.5	75	1-->3, 2-->3
	GS02BSWU	100	0.2	75	2	1.0m	1	0.05	2.5	75	1-->3, 3-->2
 <p>1:1</p> <p>SOT-563</p>	GS02BDWU	100	0.2	75	2	1.0m	0.855	0.01	1	75	1-->6, 2-->5, 3-->4
	GS02BADWU	100	0.2	75	2	1.0m	1	0.05	2.5	75	6-->1, 6-->2, 3-->4, 3-->5
	GS02BCDWU	100	0.2	75	2	1.0m	1	0.05	2.5	75	1-->6, 2-->6, 4-->3, 5-->3
	GS02BSDWU	100	0.2	75	2	1.0m	1	0.05	2.5	75	1-->6, 6-->2, 4-->3, 3-->5
 <p>1:1</p> <p>SOT-323</p>	GS02BW	100	0.2	75	2	1.0m	0.855	0.01	1	75	1-->3
	GS02BAW	100	0.2	75	2	1.0m	1	0.05	2.5	75	3-->1, 3-->2
	GS02BCW	100	0.2	75	2	1.0m	1	0.05	2.5	75	1-->3, 2-->3
	GS02BSW	100	0.2	75	2	1.0m	1	0.05	2.5	75	1-->3, 3-->2
	BAS16W	100	0.1	75	2	1.0uS	0.855	0.01	1u	75	1-->3
	BAS19W	120	0.1	75	2.5	1.0uS	1	0.1	0.1u	100	1-->3
	BAS20W	200	0.1	75	2.5	1.0uS	1	0.1	0.1u	150	1-->3
	BAS21W	250	0.1	75	2.5	1.0uS	1	0.1	0.1u	200	1-->3
	GSH02BW	250	0.1	75	2.5	1.0uS	1	0.1	0.1u	200	1-->3
	GSH02BAW	250	0.1	75	2.5	1.0uS	1	0.1	0.1u	200	3-->1, 3-->2
	GSH02BCW	250	0.1	75	2.5	1.0uS	1	0.1	0.1u	200	1-->3, 2-->3
	GSH02BSW	250	0.1	75	2.5	1.0uS	1	0.1	0.1u	200	1-->3, 3-->2

# Switching Diode (mini size SMD)

Package	Part Number	Peak Repetitive Reverse Voltage	Max Average Rectified Current		Max. Peak Forward Surge Current		Forward Voltage Drop		Max. Reverse Current		Circuit Figure
		V RRM	Io@T		IFSM@T		VF@IF(Max)		IR@VR		
		V	A	C	A	S	V	A	A	V	
 <p>Low Ir SOT-323</p>	GS12BW	100	0.2	75	2	1.0m	1	0.01	5nA	75	1-->3
	GS12BAW	100	0.2	75	2	1.0m	1	0.05	5nA	75	3-->1, 3-->2
	GS12BCW	100	0.2	75	2	1.0m	1	0.05	5nA	75	1-->3, 2-->3
	GS12BSW	100	0.2	75	2	1.0m	1	0.05	5nA	75	1-->3, 3-->2
 <p>SOT-363</p>	GS02BDW	100	0.2	75	2	1.0m	0.855	0.01	1	75	1-->6, 2-->5, 3-->4
	GS02BADW	100	0.2	75	2	1.0m	1	0.05	2.5	75	6-->1, 6-->2, 3-->4, 3-->5
	GS02BCDW	100	0.2	75	2	1.0m	1	0.05	2.5	75	1-->6, 2-->6, 4-->3, 5-->3
	GS02BSDW	100	0.2	75	2	1.0m	1	0.05	2.5	75	1-->6, 6-->2, 4-->3, 3-->5
 <p>SOT-23</p>	GS02B	100	0.35	75	2	1.0m	0.855	0.01	1	75	1-->3
	GS02BA	100	0.35	75	2	1.0m	1	0.05	2.5	75	3-->1, 3-->2
	GS02BC	100	0.35	75	2	1.0m	1	0.05	2.5	75	1-->3, 2-->3
	GS02BS	100	0.35	75	2	1.0m	1	0.05	2.5	75	1-->3, 3-->2
	BAS16	100	0.1	75	2	1.0uS	0.855	0.01	1u	75	1-->3
	BAS19	120	0.1	75	2.5	1.0uS	1	0.1	0.1u	100	1-->3
	BAS20	200	0.1	75	2.5	1.0uS	1	0.1	0.1u	150	1-->3
	BAS21	250	0.1	75	2.5	1.0uS	1	0.1	0.1u	200	1-->3
	GSH02B	250	0.1	75	2.5	1.0uS	1	0.1	0.1u	200	1-->3
	GSH02BA	250	0.1	75	2.5	1.0uS	1	0.1	0.1u	200	3-->1, 3-->2
	GSH02BC	250	0.1	75	2.5	1.0uS	1	0.1	0.1u	200	1-->3, 2-->3
	GSH02BS	250	0.1	75	2.5	1.0uS	1	0.1	0.1u	200	1-->3, 3-->2
	GSH03B	300	0.1	75	2.5	1.0uS	1	0.1	0.1u	200	1-->3
	GSH03BA	300	0.1	75	2.5	1.0uS	1	0.1	0.1u	200	3-->1, 3-->2
	GSH03BC	300	0.1	75	2.5	1.0uS	1	0.1	0.1u	200	1-->3, 2-->3
	GSH03BS	300	0.1	75	2.5	1.0uS	1	0.1	0.1u	200	1-->3, 3-->2
 <p>Low Ir SOT-23</p>	GS12B	100	0.2	75	2	1.0m	1	0.01	5nA	75	1-->3
	GS12BA	100	0.2	75	2	1.0m	1	0.05	5nA	75	3-->1, 3-->2
	GS12BC	100	0.2	75	2	1.0m	1	0.05	5nA	75	1-->3, 2-->3
	GS12BS	100	0.2	75	2	1.0m	1	0.05	5nA	75	1-->3, 3-->2
 <p>mini-Melf</p>	LL4148	100	0.15	75	0.5	1	1	0.05	5u	100	-
	LL4448	100	0.15	25	2	1.0uS	1	0.1	5	75	-
	LL4150	50	0.15	25	4	1.0uS	1	0.2	0.1	50	-
	BAV103	250	0.1	75	1	1	1	0.1	0.1u	200	-
 <p>DO-35</p>	1N4148	100	0.15	25	0.5	1	1	0.01	5	75	-
	1N4448	100	0.15	25	2	1.0uS	1	0.1	5	75	-
	1N4150	50	0.15	25	4	1.0uS	1	0.2	0.1	50	-
	BAV21	250	0.1	75	2.5	1.0uS	1	0.1	0.1u	200	-

## General Diode

Package	Part Number	Peak Repetitive Reverse Voltage	Max Average Rectified Current		Max. Peak Forward Surge Current		Forward Voltage Drop		Max. Reverse Current		Reverse Time
		V <sub>RRM</sub>	I <sub>o@T</sub>		IFSM@T		VF@IF		IR@VR		T <sub>rr</sub>
		V	A	C	A	S	V	A	uA	V	ns
SOD-123	GTG10100 ~ GTG11000	50 ~ 1000	1	75	30	1	1.3	1	5	50 ~ 1000	2500
SMA	M1 ~ M7	50 ~ 1000	1	75	30	1	1.3	1	5	50 ~ 1000	2500
	GS1A ~ GS1M	50 ~ 1000	1	75	30	1	1.3	1	5	50 ~ 1000	2500
	GT10A ~ GT10Y	50 ~ 1600	1	75	30	1	1.3	1	10	50 ~ 1600	2500
	S2AB ~ S2MB	50 ~ 1000	2	75	50	1	1.3	2	5	50 ~ 1000	2500
	GTG2005L ~ GTG21000L	50 ~ 1000	2	75	30	1	1.3	2	5	50 ~ 1000	2500
SMB	S2A ~ S2M	50 ~ 1000	2	75	50	1	1.3	2	5	50 ~ 1000	2500
	S3AB ~ S3MB	50 ~ 1000	3	75	100	1	1.3	3	5	50 ~ 1000	2500
SMC	S3A ~ S3M	50 ~ 1000	3	75	100	1	1.3	3	5	50 ~ 1000	2500

## Fast Diode

Package	Part Number	Peak Repetitive Reverse Voltage	Max Average Rectified Current		Max. Peak Forward Surge Current		Forward Voltage Drop		Max. Reverse Current		Reverse Time
		V <sub>RRM</sub>	I <sub>o@T</sub>		IFSM@T		VF@IF		IR@VR		T <sub>rr</sub>
		V	A	C	A	S	V	A	uA	V	ns
SOD-123	GTF10100 ~ GTF11000	50 ~ 1000	1	75	30	1	1.3	1	10	50 ~ 1000	150 ~ 500
SMA	FS1A ~ FS1M	50 ~ 1000	1	75	30	1	1.3	1	10	50 ~ 1000	150 ~ 500
	GTF2005L ~ GTF21000L	50 ~ 1000	2	75	30	1	1.3	1	10	50 ~ 1000	150 ~ 500
SMB	FR2A ~ FR2K	50 ~ 800	2	75	50	1	1.3	2	10	50 ~ 800	150 ~ 500
SMC	FR3A ~ FR3K	50 ~ 800	3	75	100	1	1.3	3	10	50 ~ 800	150 ~ 500

## UltraFast Diode

Package	Part Number	Peak Repetitive Reverse Voltage	Max Average Rectified Current		Max. Peak Forward Surge Current		Forward Voltage Drop		Max. Reverse Current		Reverse Time
		V <sub>RRM</sub>	I <sub>o@T</sub>		IFSM@T		VF@IF		IR@VR		T <sub>rr</sub>
		V	A	C	A	S	V	A	uA	V	ns
SOD-123	GTU10100 ~ GTU11000	50 ~ 1000	1	75	30	1	1 ~ 1.7	1	10	50 ~ 1000	50 ~ 75
SMA	US1A ~ US1M	50 ~ 1000	1	75	30	1	1 ~ 1.7	1	10	50 ~ 1000	50 ~ 75
	GTU2005L ~ GTU21000L	50 ~ 1000	2	75	30	1	1 ~ 1.7	1	10	50 ~ 1000	50 ~ 75
SMB	UR2A ~ UR2K	50 ~ 800	2	75	50	1	1 ~ 1.7	2	10	50 ~ 1000	50 ~ 75
SMC	UR3A ~ UR3K	50 ~ 800	3	75	100	1	1 ~ 1.7	3	10	50 ~ 1000	50 ~ 75

## SuperFast Diode

Package	Part Number	Peak Repetitive Reverse Voltage	Max Average Rectified Current		Max. Peak Forward Surge Current		Forward Voltage Drop		Max. Reverse Current		Reverse Time
		V <sub>RRM</sub>	I <sub>o@T</sub>		IFSM@T		VF@IF		IR@VR		T <sub>rr</sub>
		V	A	C	A	S	V	A	uA	V	ns
SOD-123	GTE10100 ~ GTE11000	50 ~ 1000	1	75	30	1	0.95 ~ 1.7	1	5	50 ~ 1000	35 ~ 50
SMA	ES1A ~ ES1K	50 ~ 800	1	75	30	1	0.95 ~ 1.7	1	5	50 ~ 800	35 ~ 50
	GTE2005L ~ GTE21000L	50 ~ 1000	2	75	30	1	0.95 ~ 1.7	1	5	50 ~ 800	35 ~ 50
SMB	ER2A ~ ER2K	50 ~ 800	2	75	50	1	0.95 ~ 1.7	2	5	50 ~ 800	35 ~ 50
SMC	ER3A ~ ER3K	50 ~ 800	3	75	100	1	0.95 ~ 1.7	3	5	50 ~ 800	35 ~ 50

## High Voltage Diode

Package	Part Number	Peak Repetitive Reverse Voltage	Max Average Rectified Current		Max. Peak Forward Surge Current		Forward Voltage Drop		Max. Reverse Current		Reverse Time
		V <sub>RRM</sub>	I <sub>o@T</sub>		IFSM@T		VF@IF		IR@VR		T <sub>rr</sub>
		V	A	C	A	S	V	A	uA	V	ns
DO-41	R1200 ~ R2500	1200 ~ 2500	0.2 ~ 0.5	75	30	8.3mS	2 ~ 3	0.2~0.5	5	1200 ~ 2500	-
DO-15	R3500 ~ R6000	3500 ~ 6000	0.2	75	30	8.3mS	8 ~ 12	0.2	5	3500 ~ 6000	-

## Zener Diode Products

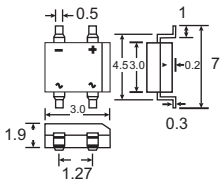
Part Number	Continue Power Dissipation on 10/1000us waveform (mW)	Voltage range (V)	Test Current (mA)	Tolerance	Package
BZX84C2V4WU ~ BZX84C75WU	100 (Single)	2.4 ~ 75	5	5%	SOT-523
BZX84C2V4W ~ BZX84C75W	200 (Single)	2.4 ~ 75	5	B: 2% , C: 5%	SOT-323
MMBZ5221BS ~ MMBZ5267BS	200 (Single)	2.4 ~ 75	20	B: 2% , C: 5%	SOT-323
BZX84C2V4 ~ BZX84C39	410 (Single)	2.4 ~ 75	5	B: 2% , C: 5%	SOT-23
MMBZ5221B ~ MMBZ5267B	410 (Single)	2.4 ~ 75	20	B: 2% , C: 5%	SOT-23
AZ23C5221B ~ AZ23C5262B	300 (Daul , common anode)	2.4 ~ 51	5	B: 2% , C: 5%	SOT-23
BZX84C2V4A ~ BZX84C51VA	300 (Daul , common anode)	2.4 ~ 51	5	B: 2% , C: 5%	SOT-23
BZX84C2V4D ~ BZX84C51VD	300 (Daul , common cathode)	2.4 ~ 51	5	B: 2% , C: 5%	SOT-23
BZX584C2V0 ~ BZX584C75	100 (Single)	2.0 ~ 75	5	5%	SOD-523
BZT52-C2V0S ~ BZT52-C75S	200 (Single)	2.0 ~ 75	5	B: 2% , C: 5%	SOD-323
MMSZ5221BS ~ MMSZ5267BS	200 (Single)	2.4 ~ 75	20	B: 2% , C: 5%	SOD-323
BZT52-C2V4 ~ BZT52-C75	410 (Single)	2.4 ~ 75	5	B: 2% , C: 5%	SOD-123
MMSZ5221B ~ MMSZ5267B	500 (Single)	2.4 ~ 75	20	B: 2% , C: 5%	SOD-123
GSZ2V4B ~ GSZ75VB	500 (Single)	2.4 ~ 75	20	B: 2% , C: 5%	SOD-123
ZMM5221B ~ ZMM5267B	500 (Single)	2.4 ~ 75	20	5%	mini-MELF
1N5221B ~ 1N5267B	500 (Single)	2.4 ~ 75	20	5%	DO-35
1N4728A ~ 1N4764A	1000 (Single)	3.3 ~ 100	-	5%	DO-41
ZMM4728 ~ ZMM4761	1000 (Single)	3.3 ~ 75	-	5%	MELF
GZ3V3B ~ GZ36B	1000 (Single)	3.3 ~ 36	-	5%	SMA
ZS100 ~ ZS330	1000 (Single)	100 ~ 330	5	5%	SMA
2EZ11 ~ 2EZ39	2000 (Single)	11 ~ 39	-	5%	DO-15
1N5348B ~ 1N5366B	5000 (Single)	11 ~ 39	-	5%	DO-201

## Bridge Diode (Single & Three phase)

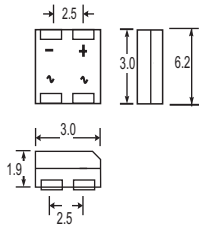
Part Number	Peak Repetitive Reverse Voltage	Max Average Rectified Current		Max. Peak Forward Surge Current		Per element forward Voltage		Max. Reverse Current		Circuit Figure Package
	V RRM	Io@T		IFSM@T		VF@IF(Max)		IR@VR		
	V	A	C	A	mS	V	A	uA	V	
<b>Schottky Bridge(Low Vf)</b>										
GS20S ~ GS40S	20 ~ 40	1	75	30	1	0.5 ~ 0.85	1	500	20 ~ 100	SDIP
GTS12-GTS110	20 ~ 100	1	40	30	8.3	0.5	1	500	20 ~ 100	MDI
GTS22-GTS210	20 ~ 100	2	40	50	8.3	0.5	2	500	20 ~ 100	MDI
<b>General single phase</b>										
MMB200 ~ MMB1A0	100 ~ 800	0.5	40	30	1	1	0.5	5	100 ~ 800	MMB
MBC10D ~ MBC10M	200 ~ 1000	0.8 / 1	40	30	1	1	0.5	5	100 ~ 800	MBC
B1S ~ B8S	100 ~ 800	0.5 / 0.8	40	30	1	1	0.5	5	100 ~ 800	MDI
DI100 ~ DI1010	50 ~ 1000	1	40	30	1	1.1	1	5	50 ~ 1000	DIP
DI100S ~ DI1010S	50 ~ 1000	1	40	30	1	1.1	1	5	50 ~ 1000	SDIP
DI150 ~ DI1510	50 ~ 1000	1.5	40	50	1	1.1	1	5	50 ~ 1000	DIP
DI150S ~ DI1510S	50 ~ 1000	1.5	40	50	1	1.1	1	5	50 ~ 1000	SDIP
AM150 / 200 ~ AM1510 / 2010	50 ~ 1000	1.5 / 2	50	50	1	1	1	10	50 ~ 1000	AM
2KBP01M ~ 2KBP08M	100 ~ 800	2	25	60	1	1	1	5	100 ~ 800	KBP
GBP200 ~ GBP2010	50 ~ 1000	2	25	60	1	1	1	5	50 ~ 1000	GBP
GBP300 ~ GBP3010	50 ~ 1000	3	50	70	1	1	1	5	50 ~ 1000	GBP
GBU4A ~ GBU4K	50 ~ 800	4	100	150	1	1	2	5	50 ~ 800	GBU
KBU4A ~ KBU4K	50 ~ 800	4	100	150	1	1	4	5	50 ~ 800	KBU
GBL400 ~ GBL408	50 ~ 800	4	100	150	1	1	2	5	50 ~ 800	GBL
GBJ4A ~ GBJ4K	50 ~ 800	4	100	150	1	1	2	5	50 ~ 800	GBJ
GBU6A ~ GBU6K	50 ~ 800	6	100	175	1	1	3	5	50 ~ 800	GBU
KBU6A ~ KBU6K	50 ~ 800	6	100	175	1	1	6	5	50 ~ 800	KBU
GBJ6A ~ GBJ6K	50 ~ 800	6	100	175	1	1	3	5	50 ~ 800	GBJ
GBU8A ~ GBU8K	50 ~ 800	8	100	200	1	1	4	5	50 ~ 800	GBU
KBU8A ~ KBU8K	50 ~ 800	8	100	200	1	1	8	5	50 ~ 800	KBU
GBJ8A ~ GBJ8K	50 ~ 800	8	100	200	1	1	4	5	50 ~ 800	GBJ
GBU10A ~ GBU10K	50 ~ 800	10	100	200	1	1	5	5	50 ~ 800	GBU
GBJ10A ~ GBJ10K	50 ~ 800	10	100	200	1	1	5	5	50 ~ 800	GBJ
GBPC1501 ~ GBPC1508	50 ~ 800	15	55	300	1	1.2	7.5	10	50 ~ 800	GBPC
GBPC1501W ~ GBPC1508W	50 ~ 800	15	55	300	1	1.2	7.5	10	50 ~ 800	GBPC-W
GL1500 ~ GL1508	50 ~ 800	15	55	300	1	1.1	7.5	10	50 ~ 800	GL
GBPC2501 ~ GBPC2508	50 ~ 800	25	55	300	1	1.2	12.5	10	50 ~ 800	GBPC
GBPC2501W ~ GBPC2508W	50 ~ 800	25	55	300	1	1.2	12.5	10	50 ~ 800	GBPC-W
GL2500 ~ GL2508	50 ~ 800	25	55	300	1	1.1	12.5	10	50 ~ 800	GL
GBPC3501 ~ GBPC3508	50 ~ 800	35	55	300	1	1.2	12.5	10	50 ~ 800	GBPC
GBPC3501W ~ GBPC3508W	50 ~ 800	35	55	300	1	1.2	12.5	10	50 ~ 800	GBPC-W
GL3500 ~ GL3508	50 ~ 800	35	55	300	1	1.1	12.5	10	50 ~ 800	GL
GBPC5001 ~ GBPC5008	50 ~ 800	50	55	300	1	1.2	12.5	10	50 ~ 800	GBPC
GBPC5001W ~ GBPC5008W	50 ~ 800	50	55	300	1	1.2	12.5	10	50 ~ 800	GBPC-W
<b>Three phase</b>										
DBI15-005 ~ DBI15-16	50 ~ 1600	15	55	500	1	1.2	12.5	10	50 ~ 1600	DBI
DBI25-005 ~ DBI25-16	50 ~ 1600	25	55	500	1	1.2	12.5	10	50 ~ 1600	DBI
MT25-00 ~ MT25-16	50 ~ 1600	25	55	500	1	1.2	12.5	10	50 ~ 1600	SBR / MT
MT25-00 ~ MT25-16	50 ~ 1600	35	55	500	1	1.2	12.5	10	50 ~ 1600	SBR / MT

# Bridge rectifier package dimensions :

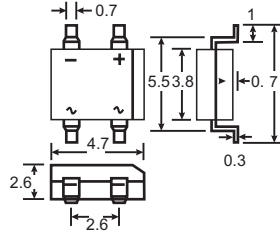
**MMB**



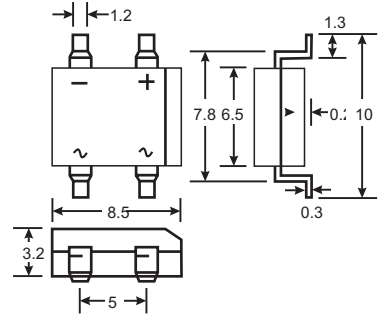
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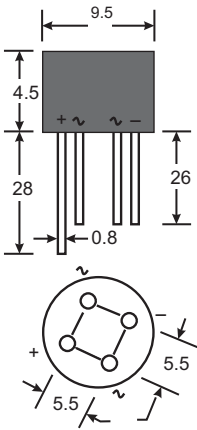
**MDI**



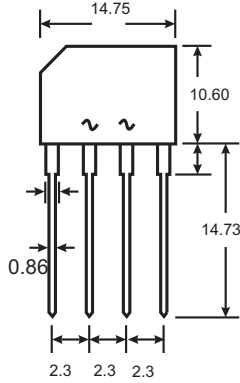
**SDIP**



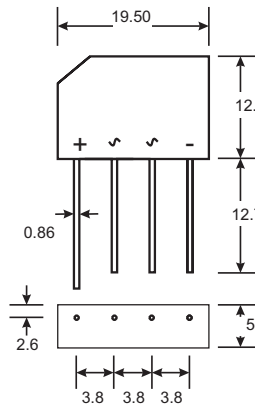
**WOG / AM**



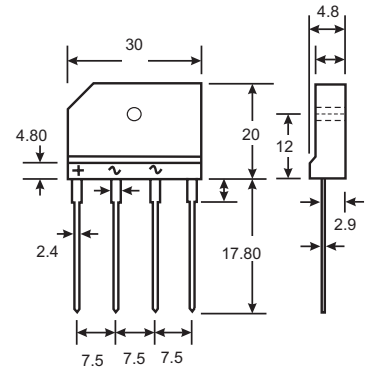
**KBP**



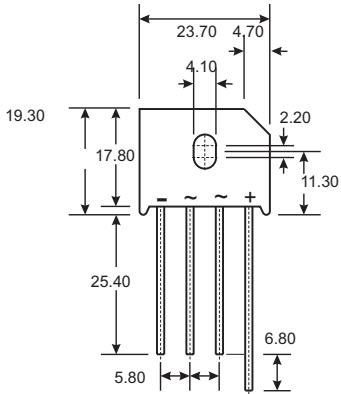
**KBL**



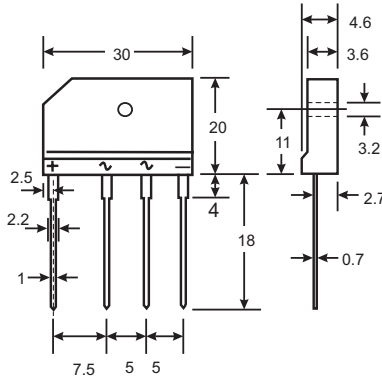
**KBJ**



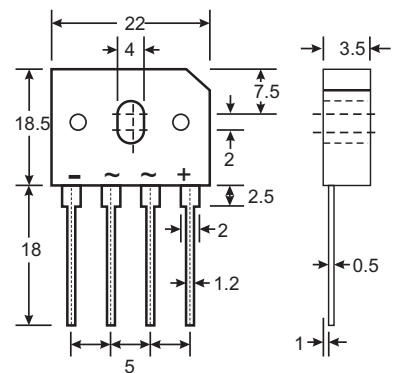
**KBU**



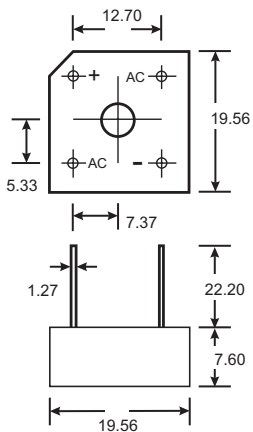
**GBJ**



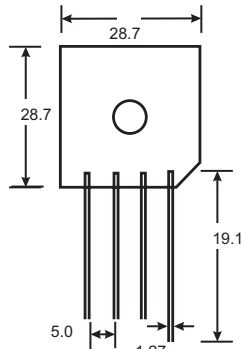
**GBU**



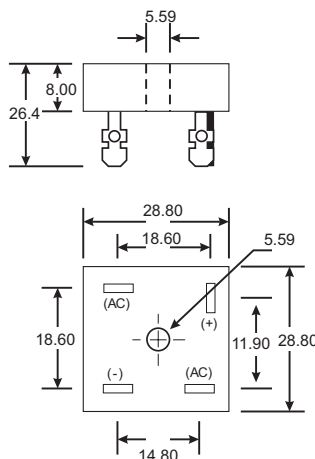
**GPW**



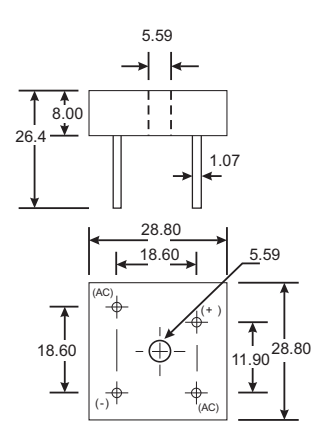
**GL**



**GBPC**



**GBPC-W**





## Varactor Diode

Part Number	Peak Repetitive Reverse Voltage	Diode Capacitance		Diode Capacitance		Capacitance ratio		Max. Reverse Current		Feature
	V <sub>RRM</sub>	V <sub>r</sub> ( low ) , f=1MHz		V <sub>r</sub> ( high ) , f=1MHz		Min (pF)	Max (pF)	IR@VR		
	V	Min (pF)	Max (pF)	Min (pF)	Max (pF)			nA	V	
<b>SOD-723</b>										
1S513 (800M Hz VCO)	15	15 (V <sub>r</sub> =1)	17.5 (V <sub>r</sub> =1)	5.1 (V <sub>r</sub> =4)	6.1 (V <sub>r</sub> =4)	10	-	10	15	-
1S515 (1.9G Hz VCO)	15	6.4 (V <sub>r</sub> =1)	7.2 (V <sub>r</sub> =1)	2.55 (V <sub>r</sub> =4)	2.95 (V <sub>r</sub> =4)	2.2	-	10	15	-
1S526 (2.4G Hz VCO)	15	-	-	-	-	-	-	-	-	-
<b>SOD-523</b>										
1S402	30	13.94 (V <sub>r</sub> =2)	16.29 (V <sub>r</sub> =2)	2.06 (V <sub>r</sub> =25)	2.35 (V <sub>r</sub> =25)	6.5	6.5	10	28	UHF
1S403	30	34.61 (V <sub>r</sub> =1)	42.31 (V <sub>r</sub> =1)	2.321 (V <sub>r</sub> =28)	2.714 (V <sub>r</sub> =25)	13.5	-	10	28	VHF/CATV
1S404	34	29.5 (V <sub>r</sub> =1)	33.5 (V <sub>r</sub> =1)	2.6 (V <sub>r</sub> =25)	2.9 (V <sub>r</sub> =25)	11	-	10	28	VHF/CATV
1S405	34	32.96 (V <sub>r</sub> =2)	38.96 (V <sub>r</sub> =2)	2.53 (V <sub>r</sub> =25)	2.96 (V <sub>r</sub> =25)	12	-	10	28	VHF/CATV
1S407	34	42.86 (V <sub>r</sub> =2)	50.96 (V <sub>r</sub> =2)	2.56 (V <sub>r</sub> =25)	2.99 (V <sub>r</sub> =25)	14.5	-	10	28	VHF/CATV
1S409	15	14.26 (V <sub>r</sub> =2)	15.96 (V <sub>r</sub> =2)	5.46 (V <sub>r</sub> =25)	6.46 (V <sub>r</sub> =25)	2.2	-	3	15	800M Hz VCO
1S410	30	5.96 (V <sub>r</sub> =1)	7.16 (V <sub>r</sub> =1)	0.46 (V <sub>r</sub> =25)	0.6 (V <sub>r</sub> =25)	10	-	10	25	BS/CS
1S413	15	15 (V <sub>r</sub> =1)	17.5 (V <sub>r</sub> =1)	5.1 (V <sub>r</sub> =4)	6.1 (V <sub>r</sub> =4)	10	-	10	15	800M Hz VCO
1S415	15	6.4 (V <sub>r</sub> =1)	7.2 (V <sub>r</sub> =1)	2.55 (V <sub>r</sub> =4)	2.95 (V <sub>r</sub> =4)	2.2	-	10	15	1.9G Hz VCO
1S417	30	7.8 (V <sub>r</sub> =1)	9.4 (V <sub>r</sub> =1)	0.5 (V <sub>r</sub> =25)	0.6 (V <sub>r</sub> =25)	13	-	10	25	BS/CS Wide Band
1S426 (2.4G Hz VCO)	15	-	-	-	-	-	-	-	-	VHF/CATV
<b>SOD-323</b>										
1S314	10	9.4 (V <sub>r</sub> =0.1)	12 (V <sub>r</sub> =0.1)	2.4 (V <sub>r</sub> =2.6)	2.9 (V <sub>r</sub> =2.6)	3.2	-	10	10	Camera VCO
1S362	35	14 (V <sub>r</sub> =2)	16.3(V <sub>r</sub> =2)	2.1 (V <sub>r</sub> = 25)	2.39 (V <sub>r</sub> =25)	6.5	6.5	10	28	UHF
1S363	30	34 (V <sub>r</sub> =1)	42.5(V <sub>r</sub> =1)	2.3 (V <sub>r</sub> = 28)	2.7 (V <sub>r</sub> =28)	13.5	-	10	28	VHF/CATV
1S367	15	14 (V <sub>r</sub> =2)	16(V <sub>r</sub> =2)	5.5 (V <sub>r</sub> = 10)	6.5 (V <sub>r</sub> =10)	2.2	-	3	15	800M Hz VCO
1S368	34	29.54 (V <sub>r</sub> =2)	33.54(V <sub>r</sub> =2)	2.64 (V <sub>r</sub> = 25)	2.94 (V <sub>r</sub> =25)	1.03	-	10	28	VHF/CATV
1S378	34	33 (V <sub>r</sub> =2)	39(V <sub>r</sub> =2)	2.57 (V <sub>r</sub> = 25)	3 (V <sub>r</sub> =25)	12	-	10	28	VHF/CATV
1S379	30	6 (V <sub>r</sub> =1)	7.2(V <sub>r</sub> =1)	0.5 (V <sub>r</sub> = 25)	0.6(V <sub>r</sub> =25)	10	-	10	25	BS/CS
1S381	34	47 (V <sub>r</sub> =2)	53(V <sub>r</sub> =2)	2.65 (V <sub>r</sub> = 25)	3.01(V <sub>r</sub> =25)	17	-	10	28	VHF/CATV Wide Band
1S387	30	7.84 (V <sub>r</sub> =1)	9.44(V <sub>r</sub> =1)	0.54 (V <sub>r</sub> = 25)	0.64 (V <sub>r</sub> =25)	13	-	10	25	BS/CS Wide Band
1S397	34	42.9 (V <sub>r</sub> =2)	51(V <sub>r</sub> =2)	2.6 (V <sub>r</sub> = 25)	3.03(V <sub>r</sub> =25)	14.5	-	10	28	VHF/CATV

## RF schottky Diode

Part Number	Peak Repetitive Reverse Voltage	Forward current IF (mA)	Forward voltage		Diode capacitance		Max. Reverse Current		Package	
	V <sub>RRM</sub>		( V )		( pF )		IR@VR			
	V		Type	IF (mA)	Max	V <sub>r</sub> (f=1MHz)	uA	V		
<b>SOD-523</b>										
BAT62WU	40	20	0.58	2	1	0	10	40	-	
<b>SOD-323</b>										
BAT62WS	40	20	0.58	2	1	0	10	40	-	
BD101WS	7	30	0.6	10	1	0	10	7	-	
BD330WS	30	30	0.6	10	1	15	0.2	25	-	
BD770WS	70	30	0.6	10	1	20	0.2	35	-	
<b>SOT-363</b>										
BAT62WT6 (Triple)	40	20	0.58	2	1	0	10	40	-	
<b>SOT-323</b>										
BD101W	7	30	0.6	10	1	0	10	7	-	
BD330W	30	30	0.6	10	1	15	0.2	25	-	
BD770W	70	30	0.6	10	1	20	0.2	35	-	
<b>SOT-23</b>										
BD101	7	30	0.6	10	1	0	10	7	-	
BD330	30	30	0.6	10	1	15	0.2	25	-	
BD770	70	30	0.6	10	1	20	0.2	35	-	