

SURFACE MOUNT SWITCHING DIODE

Operating Temperature: -65°C to 150°C

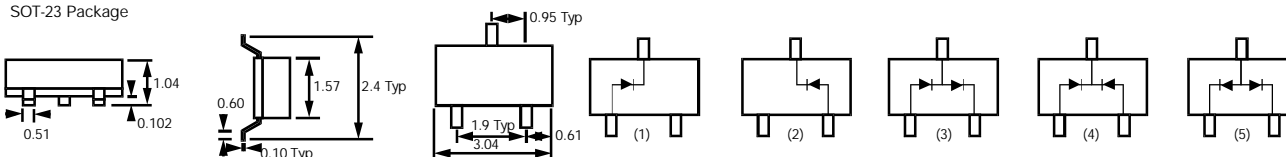
RFE Part Number	Cross-Reference	Power Dissipation	Peak Voltage	Max. Average Rect. Current	Forward Voltage	Maximum Rev. Current	Max. Reverse Recovery Time @ Rated PIV	Package	Outline (Dimensions in mm)
		P_d (mW)	V_{ZM} (V)	I_o (mA)	V_F (V)@ I_F (mA)	I_R (nA)@ V_R (V)	T_{RR} (nS)	Reel	
LL4148	DL4148	500mW	100	150	1.0@10	25@20	4	2500	
LL4448	DL4448	500mW	100	150	1.0@100	25@20	4	2500	

SURFACE MOUNT SWITCHING DIODE(SOT-23 Package)

Operating Temperature: -65°C to 150°C

Part Number	Cross Reference	Marking	Min. Repetitive Rev. Voltate	Max. Forward Current	Max. Continuous Reverse Current	Max. Forward Voltage	Max. Capacitance	Reverse Recovery Time	Package	Diagram
			V_{RRM} (V)	I_F (mA)	I_R (nA)@ V_R (V)	V_F (V)@ I_F (mA)	C(pF)	T_{RR} (nS)	Reel	
BAS21		JS	200		100@200	1.00@100		50.0	3000	1
MMBD1401		29	200		100@200	1.00@200		50.0		1
MMBD1402		31	200		100@200	1.00@200		50.0		2
MMBD1403		32	200		100@200	1.00@200		50.0		3
MMBD1404		33	200		100@200	1.00@200		50.0		4
MMBD1405		34	200		100@200	1.00@200		50.0		5
MMBD1501A		11A	200			1.00@200				1
MMBD1503A		13A	200			1.00@200				3
BAS20		A81	150		100@150	1.00@100		50.0		1
BAS19		A81	120		100@120	1.00@100		50.0		1
BAS29		L20	120		100@120	0.84@50		50.0		1
BAS31		L21	120		100@120	0.84@50		50.0		3
BAS35		L22	120		100@120	0.84@50		50.0		5
MMBD7000			100	200	500@100	0.75@100	1.5	4.0		3
MMBD914	MMBD4148	5D	100		5000@75	1.00@10	4.0	4.0		1
MMBD914B	MMBD4448		100		5000@75	1.00@100	4.0	4.0		1
MMBD1201		24	100		25@100	1.00@200		4.0		1
MMBD1202		25	100		25@100	1.00@200		4.0		2
MMBD1203		26	100		25@100	1.00@200		4.0		3
MMBD1204		27	100		25@100	1.00@200		4.0		4
MMBD1205		28	100		25@100	1.00@200		4.0		5
MMBD4148	MMBD914	5H	100		5000@75	1.00@10	4.0	4.0		1
MMBD4448	MMBD914B		100		5000@75	1.00@100	4.0	4.0		1
MMBD2836		A6	75	100	100@50	1.00@50	4.0	15.0		5
BAS16		A6	75	250	1000@75	1.00@50	2.0	6.0		5
MMBD6050			70	200	100@50	1.10@100	2.5	4.0		1
BAV70		A4	70	250	5000@70	1.00@50	1.5	6.0		4
BAV99		A7	70	250	2500@70	1.00@50	1.5	6.0		3
BAW56		A1	70	250	2500@70	1.00@50	2.0	6.0		5
BAV74		JA	50		100@50	1.00@100		0.7		4
MMBD2835			35	100	100@50	1.00@50	4.0	15.0	5	
MMBD1701		85	30		50@30	1.10@50		0.7	1	
MMBD1702		86	30		50@30	1.10@50		0.7	2	
MMBD1703		87	30		50@30	1.10@50		0.7	3	
MMBD1704		88	30		50@30	1.10@50		0.7	4	
MMBD1705		89	30		50@30	1.10@50		0.7	5	
BA779			30	50	50@30	1.00@20	0.5		1	
BA779S			30	50	50@30	1.00@20	0.5		1	
BA779-2			30	50	50@16	1.00@20	0.5		3	
BB804			20	50	20@16		47.5		4	
BB814			20	50	20@16		46.5		4	
BB824			20	50	20@16		45.0		4	

SOT-23 Package



SURFACE MOUNT: General Purpose, Fast Recovery, & Super Fast Recovery

GENERAL PURPOSE RECTIFIER

Operating Temperature: -65°C to 150°C

RFE Part Number	Cross-Reference	Max.Average Rect. Current	Peak Inverse Voltage	Peak Fwd Surge Current @ 8.3ms Superimposed	Max Forward Voltage @ Ta 25°C @ Rated PIV	Max. Reverse Current @ 25°C @ Rated PIV	Package	Outline (Dimensions in mm)
		I _O (A)	PIV(V)	I _{FSM} (A)	V _{FM} (V)	I _R (μA)		
LL4001G	DL4001G	1.0 A	50	30	1.10	5	1500/5000	
LL4002G	DL4002G	1.0 A	100	30	1.10	5	1500/5000	
LL4003G	DL4003G	1.0 A	200	30	1.10	5	1500/5000	
LL4004G	DL4004G	1.0 A	400	30	1.10	5	1500/5000	
LL4005G	DL4005G	1.0 A	600	30	1.10	5	1500/5000	
LL4006G	DL4006G	1.0 A	800	30	1.10	5	1500/5000	
LL4007G	DL4007G	1.0 A	1000	30	1.10	5	1500/5000	
S1A		1.0 A	50	30	1.10	1	1800/7500	
S1B		1.0 A	100	30	1.10	1	1800/7500	
S1D		1.0 A	200	30	1.10	1	1800/7500	
S1G		1.0 A	400	30	1.10	1	1800/7500	
S1J		1.0 A	600	30	1.10	1	1800/7500	
S1K		1.0 A	800	30	1.10	1	1800/7500	
S1M		1.0 A	1000	30	1.10	1	1800/7500	
S2A		1.5 A	50	50	1.15	1	750/3200	
S2B		1.5 A	100	50	1.15	1	750/3200	
S2D		1.5 A	200	50	1.15	1	750/3200	
S2G		1.5 A	400	50	1.15	1	750/3200	
S2J		1.5 A	600	50	1.15	1	750/3200	
S2K		1.5 A	800	50	1.15	1	750/3200	
S2M		1.5 A	1000	50	1.15	1	750/3200	
S3A		3.0 A	50	100	1.15	10	850/3500	
S3B		3.0 A	100	100	1.15	10	850/3500	
S3D		3.0 A	200	100	1.15	10	850/3500	
S3G		3.0 A	400	100	1.15	10	850/3500	
S3J		3.0 A	600	100	1.15	10	850/3500	
S3K		3.0 A	800	100	1.15	10	850/3500	
S3M		3.0 A	1000	100	1.15	10	850/3500	

FAST RECOVERY RECTIFIERS

Operating Temperature: -65°C to 150°C

RFE Part Number	Cross-Reference	Max.Average Rect. Current	Peak Inverse Voltage	Peak Fwd Surge Current @ 8.3ms Superimposed	Max Forward Voltage @ Ta 25°C @ Rated PIV	Max. Reverse Current @ 25°C @ Rated PIV	Max Reverse Recovery Time @ Rated PIV	Package	Outline (Dimensions in mm)
		I _O (A)	PIV(V)	I _{FSM} (A)	V _{FM} (V)	I _R (μA)	T _{RR} (nS)		
LL4933G	DL4933G	1.0 A	50	30	1.3	5	200	1500/5000	
LL4934G	DL4934G	1.0 A	100	30	1.3	5	200	1500/5000	
LL4935G	DL4935G	1.0 A	200	30	1.3	5	200	1500/5000	
LL4936G	DL4936G	1.0 A	400	30	1.3	5	200	1500/5000	
LL4937G	DL4937G	1.0 A	600	30	1.3	5	200	1500/5000	
RS1A		1.0 A	50	30	1.3	5	150	1800/7500	
RS1B		1.0 A	100	30	1.3	5	150	1800/7500	
RS1D		1.0 A	200	30	1.3	5	150	1800/7500	
RS1G		1.0 A	400	30	1.3	5	150	1800/7500	
RS1J		1.0 A	600	30	1.3	5	250	1800/7500	
RS2A	FR2A	1.5 A	50	50	1.3	5	150	750/3200	
RS2B	FR2B	1.5 A	100	50	1.3	5	150	750/3200	
RS2D	FR2D	1.5 A	200	50	1.3	5	150	750/3200	
RS2G	FR2G	1.5 A	400	50	1.3	5	150	750/3200	
RS2J	FR2J	1.5 A	600	50	1.3	5	250	750/3200	
RS2K	FR2K	1.5 A	800	50	1.3	5	500	750/3200	
RS3A	FR3A	3.0 A	50	100	1.3	10	150	850/3500	
RS3B	FR3B	3.0 A	100	100	1.3	10	150	850/3500	
RS3D	FR3D	3.0 A	200	100	1.3	10	150	850/3500	
RS3G	FR3G	3.0 A	400	100	1.3	10	150	850/3500	
RS3J	FR3J	3.0 A	600	100	1.3	10	250	850/3500	
RS3K	FR3K	3.0 A	800	100	1.3	10	500	850/3500	

SUPER FAST RECOVERY DIODE

Operating Temperature: -50 C to 150 C

Part Number	Cross-Reference	Max.Average Rect. Current	Peak Inverse Voltage	Peak Fwd Surge Current @ 8.3ms Superimposed	Max Forward Voltage @ Ta 25 C @ Rated PIV	Max. Reverse Current @ 25 C @ Rated PIV	Max Reverse Recovery Time @ Rated PIV	Package	Outline (Dimensions in mm)
		I _O (A)	PIV(V)	I _{FSM} (A)	V _{FM} (V)	I _R (mA)	T _{RR} (nS)		
ES1A		1.0A	50	30	0.95	5	35	1800/7500	
ES1B		1.0A	100	30	0.95	5	35	1800/7500	
ES1C		1.0A	150	30	0.95	5	35	1800/7500	
ES1D		1.0A	200	30	0.95	5	35	1800/7500	
ES1E		1.0A	300	30	1.25	5	35	1800/7500	
ES1G		1.0A	400	30	1.25	5	35	1800/7500	
ES1J		1.0A	500	30	1.7	5	35	1800/7500	
ES2A		2.0A	50	50	0.95	5	35	750/3200	
ES2B		2.0A	100	50	0.95	5	35	750/3200	
ES2C		2.0A	150	50	0.95	5	35	750/3200	
ES2D		2.0A	200	50	0.95	5	35	750/3200	
ES2E		2.0A	300	50	1.25	5	35	750/3200	
ES2G		2.0A	400	50	1.25	5	35	750/3200	
ES2J		2.0A	500	50	1.7	5	35	750/3200	

ES3_ are on the next page.

SUPER FAST RECOVERY DIODE

Operating Temperature: -50 C to 150 C

Part Number	Cross-Reference	Max.Average Rect. Current	Peak Inverse Voltage	Peak Fwd Surge Current @ 8.3ms Superimposed	Max Forward Voltage @ Ta 25 C @ Rated PIV	Max. Reverse Current @ 25 C @ Rated PIV	Max Reverse Recovery Time @ Rated PIV	Package	Outline (Dimensions in mm)
		I _O (A)	PIV(V)	I _{FSM} (A)	V _{FM} (V)	I _R (mA)	T _{RR} (nS)		
ES3A		3.0A	50	100	0.95	5	35	850/3500	
ES3B		3.0A	100	100	0.95	5	35	850/3500	
ES3C		3.0A	150	100	0.95	5	35	850/3500	
ES3D		3.0A	200	100	0.95	5	35	850/3500	
ES3E		3.0A	300	100	1.25	5	35	850/3500	
ES3G		3.0A	400	100	1.25	5	35	850/3500	
ES3J		3.0A	500	100	1.7	5	35	850/3500	

ES1_ & ES2_ are on the previous page.

SCHOTTKY DIODE

Operating Temperature: -65°C to 150°C

RFE Part Number	Cross-Reference	Max.Average Rect. Current	Peak Inverse Voltage	Peak Fwd Surge Current @ 8.3ms Superimposed	Max Forward Voltage @ Ta 25°C @ Rated PIV	Max. Reverse Current @ 25°C @ Rated PIV	Package	Outline (Dimensions in mm)
		I _O (A)	PIV(V)	I _{FSM} (A)	V _{FM} (V)	I _R (mA)		
LL5817		1.0 A	20	25	0.45	1.0	1500/5000	
LL5818		1.0 A	30	25	0.55	1.0	1500/5000	
LL5819		1.0 A	40	25	0.60	1.0	1500/5000	
SS12		1.0 A	20	30	0.50	0.5	1800/7500	
SS13		1.0 A	30	30	0.50	0.5	1800/7500	
SS14		1.0 A	40	30	0.50	0.5	1800/7500	
SS15		1.0 A	50	30	0.75	0.5	1800/7500	
SS16		1.0 A	60	30	0.75	0.5	1800/7500	
SS19		1.0 A	90	30	0.79	0.5	1800/7500	
SS1B		1.0 A	100	30	0.79	0.5	1800/7500	
SS22		2.0 A	20	50	0.50	0.5	750/3200	
SS23		2.0 A	30	50	0.50	0.5	750/3200	
SS24		2.0 A	40	50	0.50	0.5	750/3200	
SS25		2.0 A	50	50	0.70	0.5	750/3200	
SS26		2.0 A	60	50	0.70	0.5	750/3200	
SS29		2.0 A	90	50	0.79	0.1	750/3200	
SS2B		2.0 A	100	50	0.79	0.1	750/3200	
SS32		3.0 A	20	100	0.50	0.5	850/3500	
SS33		3.0 A	30	100	0.50	0.5	850/3500	
SS34		3.0 A	40	100	0.50	0.5	850/3500	
SS35		3.0 A	50	100	0.75	0.5	850/3500	
SS36		3.0 A	60	100	0.75	0.5	850/3500	
SS39		3.0 A	90	100	0.79	0.6	850/3500	
SS3B		3.0 A	100	100	0.79	0.6	850/3500	

GLASS PASSIVATED BRIDGE RECTIFIER

Operating Temperature: -65°C to 150°C

RFE Part Number	Cross-Reference	Max.Average Rect. Current	Peak Inverse Voltage	Peak Fwd Surge Current @ 8.3ms Superimposed	Max Forward Voltage @ Ta 25°C @ Rated PIV	Max. Reverse Current @ 25°C @ Rated PIV	Package	Outline (Dimensions in mm)
		I _O (A)	PIV(V)	I _{FSM} (A)	V _{FM} (V)	I _R (mA)		
MB2S		0.5 A	200	30	1.0	5.0	Tube	
MB4S		0.5 A	400	30	1.0	5.0		
MB6S		0.5 A	600	30	1.0	5.0		
S40		0.8 A	80	30	1.2	10	Tube	
S80		0.8 A	160	30	1.2	10		
S125		0.8 A	250	30	1.2	10		
S250		0.8 A	500	30	1.2	10		
S380		0.8 A	800	30	1.2	10		
S500		0.8 A	1000	30	1.2	10		
DBS101G	DF005S	1.0 A	50	50	1.1	10.0		
DBS102G	DF01	1.0 A	100	50	1.1	10.0	100 tubes of 50	
DBS103G	DF02	1.0 A	200	50	1.1	10.0	100 tubes of 50	
DBS104G	DF04	1.0 A	400	50	1.1	10.0	100 tubes of 50	
DBS105G	DF06	1.0 A	600	50	1.1	10.0	100 tubes of 50	
DBS106G	DF08	1.0 A	800	50	1.1	10.0	100 tubes of 50	
DBS107G	DF10	1.0 A	1000	50	1.1	10.0	100 tubes of 50	
DBS151G		1.5 A	50	50	1.1	10.0	100 tubes of 50	
DBS152G		1.5 A	100	50	1.1	10.0	100 tubes of 50	
DBS153G		1.5 A	200	50	1.1	10.0	100 tubes of 50	
DBS154G		1.5 A	400	50	1.1	10.0	100 tubes of 50	
DBS155G		1.5 A	600	50	1.1	10.0	100 tubes of 50	
DBS156G		1.5 A	800	50	1.1	10.0	100 tubes of 50	
DBS157G		1.5 A	1000	50	1.1	10.0	100 tubes of 50	