

SUPER FAST RECTIFIERS

Operating Temperature: -65°C to 125°C

RF Part Number	Cross Reference	Max Avg. Rectified Current	Peak Inverse Voltage	Peak Fwd Surge Current @ 8.3ms Superimposed	Max Forward Voltage @ 25°C @ Rated I_F	Reverse Recovery Time @ Rated PIV	Max Reverse Current @ 25°C @ Rated PIV	Package	Outline (Max in inches)
		I_O (A)	PIV (V)	I_{FSM} (A)	V_{FM} (V)	T_{RR} (ns)	I_R (A)	Bulk/Reel	
SF61		6.0 A	50	150	0.975	35	5.0	500/1250	DO-201AD
SF62		6.0 A	100	150	0.975	35	5.0	500/1250	
SF63		6.0 A	150	150	0.975	35	5.0	500/1250	
SF64		6.0 A	200	150	0.975	35	5.0	500/1250	
SF65		6.0 A	300	150	1.300	35	5.0	500/1250	
SF66		6.0 A	400	150	1.300	35	5.0	500/1250	
SFA81G		8.0 A	50	125	0.975	35	10.0	50/Tube	TO-220A
SFA82G		8.0 A	100	125	0.975	35	10.0	50/Tube	
SFA83G		8.0 A	150	125	0.975	35	10.0	50/Tube	
SFA84G		8.0 A	200	125	0.975	35	10.0	50/Tube	
SFA85G		8.0 A	300	125	1.300	35	10.0	50/Tube	
SFA86G		8.0 A	400	125	1.300	35	10.0	50/Tube	
SFA1601G		16.0 A	50	200	0.975	35	10.0	50/Tube	TO-220
SFA1602G		16.0 A	100	200	0.975	35	10.0	50/Tube	
SFA1603G		16.0 A	150	200	0.975	35	10.0	50/Tube	
SFA1604G		16.0 A	200	200	0.975	35	10.0	50/Tube	
SFA1605G		16.0 A	300	200	1.300	35	10.0	50/Tube	
SFA1606G		16.0 A	400	200	1.300	35	10.0	50/Tube	
SF1601G		16.0 A	50	125	0.975	35	5.0	50/Tube	TO-220
SF1602G		16.0 A	100	125	0.975	35	5.0	50/Tube	
SF1603G		16.0 A	150	125	0.975	35	5.0	50/Tube	
SF1604G		16.0 A	200	125	0.975	35	5.0	50/Tube	
SF1605G		16.0 A	300	125	1.300	35	5.0	50/Tube	
SF1606G		16.0 A	400	125	1.300	35	5.0	50/Tube	

SCHOTTKY RECTIFIERS

Operating Temperature: -65°C to 125°C

RF Part No.	Cross-Reference	Max. Average Rectified Current I_O (A)	Peak Inverse Voltage PIV (V)	Peak Fwd. Surge Current @ 8.3ms Superimposed I_{FSM} (A)	Max. Forward Voltage @ Ta 25°C @ Rated I_O V_{FM} (V)	Max. Reverse Current @ 25°C @ Rated PIV I_R (mA)	Package	Outline (Max in inches)
		I_O (A)	PIV (V)	I_{FSM} (A)	V_{FM} (V)	I_R (mA)	Bulk/Reel	
1N5817	1N5817	1.0 A	20	25	0.45	1	1000/5000	DO-41
1N5818	1N5818	1.0 A	30	25	0.55	1	1000/5000	
1N5819	1N5819	1.0 A	40	25	0.6	1	1000/5000	
SR102	SB120	1.0 A	20	40	0.55	1	1000/5000	
SR103	SB130	1.0 A	30	40	0.55	1	1000/5000	
SR104	SB140	1.0 A	40	40	0.55	1	1000/5000	
SR105	SB150	1.0 A	50	40	0.7	1	1000/5000	DO-201AD
SR106	SB160	1.0 A	60	40	0.7	1	1000/5000	
1N5820	1N5820	3.0 A	20	80	0.475	2	500/1250	
1N5821	1N5821	3.0 A	30	80	0.50	2	500/1250	
1N5822	1N5822	3.0 A	40	80	0.525	2	500/1250	
SR302	SB320	3.0 A	20	80	.55	1	500/1250	
SR303	SB330	3.0 A	30	80	.55	1	500/1250	DO-201AD
SR304	SB340	3.0 A	40	80	.75	1	500/1250	
SR305	SB350	3.0 A	50	80	.75	1	500/1250	
SR306	SB360	3.0 A	60	80	.75	1	500/1250	
SR502	SB520	5.0 A	20	150	.57	1	500/1250	
SR503	SB530	5.0 A	30	150	.57	1	500/1250	
SR504	SB540	5.0 A	40	150	.70	1	500/1250	TO-220A
SR505	SB550	5.0 A	50	150	.70	1	500/1250	
SR506	SB560	5.0 A	60	150	.55	1	500/1250	
SRA820		8.0 A	20	150	.55	1	2000/-	
SRA830		8.0 A	30	150	.55	1	2000/-	
SRA840		8.0 A	40	150	.70	1	2000/-	
SRA850		8.0 A	50	150	.70	1	2000/-	TO-220A
SRA860		8.0 A	60	150	.70	1	2000/-	

SWITCHING DIODE

Operating Temperature: -65°C to 125°C

RF Part Number	Cross Reference	Power Dissipation	Peak Inverse Voltage	Continuous Rev. Current	Forward Voltage	Capacitance C Max.	Reverse Recovery Time	Package	Outline (Max in inches)
		P_d (mW)	V_{ZM} (V)	I_R (nA) @ V_R (V)	V_F (V) @ I_F (mA)	(pF)	T_{RR} (nS)	Bulk/Reel	
1N914B		250mW	100	5000@75	1.0@10	4	4	1000/10000	DO-35G
1N4148		500mW	100	5000@75	1.0@10	4	4	1000/10000	
1N4448		500mW	100	5000@75	1.0@100	4	4	1000/10000	