

Schottky Rectifiers, Rectifiers

Silicon Schottky Barrier Rectifiers 1 A 1N5817 to 1N5819 (DO-41 Glass Package) 1N5817M to 1N5819M (MELF Glass Package)

Type		Average Rectified Current at $T_L = 90^\circ\text{C}$	Peak Inverse Voltage	Surge Forward Current Half Cycle 50 Hz	Max. Forward Voltage Drop		Max. Reverse Current	
		I_o Amps	P.I.V. Volts	Amps	V_F Volts	at I_F Amps	I_R mA	at V_R Volts
1N5817	1N5817M	1	20	25	0.45	1	1	20
1N5818	1N5818M	1	30	25	0.55	1	1	30
1N5819	1N5819M	1	40	25	0.60	1	1	40

Silicon Rectifiers 1 A 1N4001 to 1N4007, BY133, EM513 (DO-41 Plastic Package)

Type		Average Rectified Current at $T_A = 50^\circ\text{C}$	Peak Inverse Voltage	Surge Forward Current	Max. Forward Voltage Drop		Max. Reverse Current	
		I_o Amps	P.I.V. Volts	Amps	V_F Volts	at I_F Amps	I_R μA	at V_R Volts
1N4001		1	50	30	1.1	1.0	10	50
1N4002		1	100	30	1.1	1.0	10	100
1N4003		1	200	30	1.1	1.0	10	200
1N4004		1	400	30	1.1	1.0	10	400
1N4005		1	600	30	1.1	1.0	10	600
1N4006		1	800	30	1.1	1.0	10	800
1N4007		1	1000	30	1.1	1.0	10	1000
BY133		1	1300	30	1.3	2.0	5	1300
EM 513		1	1600	30	1.1	1.1	10	1600

Silicon Rectifiers 3 A BY251 to BY255 (17-02 Plastic Package)

Type		Average Rectified Current at $T_A = 50^\circ\text{C}$	Peak Inverse Voltage	Surge Forward Current	Max. Forward Voltage Drop		Max. Reverse Current	
		I_o Amps	P.I.V. Volts	Amps	V_F Volts	at I_F Amps	I_R μA	at V_R Volts
BY251		3	200	100	1.1	3.0	20	200
BY252		3	400	100	1.1	3.0	20	400
BY253		3	600	100	1.1	3.0	20	600
BY254		3	800	100	1.1	3.0	20	800
BY255		3	1300	100	1.1	3.0	20	1300