

Soft Recovery

V _{RRM} (Volts)	Case	I _O , Average rectified forward current (Amperes)				
		0.4	0.5	0.5	1.0	1.0
		59-04				
50						BY330
100						BY331
200						BY332
400		BA145/ BA148	BA157	BY206	BY210/4	BY334
600			BA158	BY207	BY210/6	BY336
800					BY210/8	BY337
1000			BA159			BY338
I _{FSM} (Amps)		15	15	15	30	40
T _A at Rated I _O (°C)		45	45	45	75	75
T _A at Rated I _O (°C)						
T _{JRRM} ¹ (°C)		150	150	150	175	175
t _{rr} (ns)		750		1000	300	750

Schottky Barrier

. . . Schottky barrier devices, ideal for use in low voltage, high frequency power supplies and as free-wheeling diodes. These units feature very low forward voltages and switching times estimated at less than 10 ns. They are offered in current ranges of 1.0 to 40 amperes and in voltages to 35. Reverse polarity (anode to case is not available).

V _{RRM} (Volts)	Case	I _O , Average rectified forward current (Amperes)				
		1.0	3.0	3.0	3.0	
		59-04		267		
20		1N5817	MBR120P	1N5820	MBR320P	MBR320M
30		1N5818	MBR130P	1N5821	MBR330P	MBR330M
35						MBR335M
I _{FSM} (Amps)		100	100	250	250	500
T _C at Rated I _O ¹ (°C)						
T _L at Rated I _O ¹ (°C)		90	90	95	95	90
T _{JRRM} ² (°C)		125	125	125	125	125
Max. V _F ³		0.50	0.65	0.50	0.60	0.45 @ 5A
I _{FM} = I _O						