



Fast Recovery Rectifiers

... available for designs requiring a power rectifier having maximum switching times ranging from 200 ns to 750 ns. These devices are offered in current ranges of 1 to 50 amperes and in voltages to 1000 volts.

All devices are connected cathode to case or cathode to heatsink, where applicable. Reverse polarity may be available on some devices upon special request. Contact your Motorola representative for more information.

Table 26. Fast Recovery Rectifiers

V _{RRM} (Volts)	**I _O , AVERAGE RECTIFIED FORWARD CURRENT (Amperes)					
	1				3	
	59-04 Plastic				60-01 Metal	
						
50	†1N4933	MR810			TSA4933	MR830
100	†1N4934	MR811	BY196		TSA4934	MR831
200	†1N4935	MR812	BY197		TSA4935	MR832
400	†1N4936	MR814	BY198	BYX55-350	TSA4936	MR834
600	†1N4937	MR816		BYX55-600	TSA4937	MR836
800		MR817				
1000		MR818				
I _{FSM} (Amps)	30	30	40	40	30	100
T _A @ Rated I _O (°C)	75	75				
T _C @ Rated I _O (°C)		100				100
T _J (Max) (°C)	150	150	150	125	150	150
t _{rr} μs	0.2	0.75	0.2	0.2	0.1	0.2

** I_O is total device output.

† Package Size: 0.120" max diameter by 0.260" max length.