

SCRs in Metal Packages

For current handling requirements up to 80 Amperes, with up to 800-Volt blocking potential, Motorola metal packaged SCRs combine highest reliability with the design flexibility offered by a wide variety of package options. Pulse modulator SCRs provide pulse current capacity to 1000 Amperes for radar and similar applications.

ON-STATE (RMS) CURRENT	0.5 Amp		1.6 Amp		16 Amp	20 Amp	25 Amp		35 Amp
	Case 22-03 TO-18 Style 6	Case 79-02 TO-39 Style 3	Case 263-03 Style 1	(1) Case 263-03 Style 1	Case 61 TO-41 Style 1	Case 263-03 Style 1	(1) Case 263-03 Style 1		
V _{DRM} Blocking Voltage (DC or Peak) Volts	15	MCR201		2N2322	2N1842 2N1042A	MCR3918-1	2N2573	2N681	MCR3935-1
	25								
	30	2N2687							
	50		2N1595	2N2323	2N1843 2N1843A	2N5168	2N2574	2N682	MCR3935-2
	60	2N2688							
	100	2N2689	2N1596	2N2324	2N1844 2N1844A	MCR3918-3	2N2575	2N683	2N3896
	150			2N2375	2N1845			2N684	
	200	2N2690	2N1597	2N2326	2N1846 2N1846A	2N5169	2N2576	2N685	2N3897
	250			2N2327	2N1847 2N1847A			2N686	
	300		2N1598	2N2328	2N1848 2N1848A	MCR3918-5	2N2577	2N687	MCR3935-5
	400		2N1599	2N2329	2N1849 2N1849A	2N5170	2N2578	2N688	2N3898
	500				2N1850 2N1850A	MCR3918-7	2N2579	2N689	MCR3935-7
	600					2N5171	MCR649-8	2N690	2N3899 MCR3935-8
	700						MCR649-9	2N691	MCR3935-9
800					MCR3918-10	MCR649-10	2N692	MCR3935-10	

ELECTRICAL CHARACTERISTICS

I _{TSM} (Amp)	6.0	15	15	125	240	260	200	350
I _{GT} @ 25°C (mA) Max.	0.2	10	0.2	80	40	40	25	40
V _{GT} @ 25°C (V) Max.	1.0	3.0	0.8	2.0	1.5	3.5	3.0	1.6
I _H @ 25°C (mA) Max.	2.0	5.0 Typ	2.0		50	20 Typ	20 Typ	50

(1) Also available in press fit and isolated stud package.

