

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 2N1845 2N1845A	MCR3918-3	2N2575	2N683	2N3896
	150			2N2375 2N2325	2N1846 2N1846A			2N684	
	200	2N2690	2N1597	2N2326	2N1847 2N1847A	2N5169	2N2576	2N685	2N3897
	250			2N2327	2N1848 2N1848A			2N686	
	300		2N1598	2N2328	2N1849 2N1849A 2N1850 2N1850A	MCR3918-5	2N2577	2N687	MCR3935-5
	400		2N1599	2N2329		2N5170	2N2578	2N688	2N3898
	500					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.

