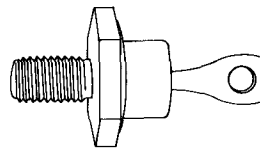


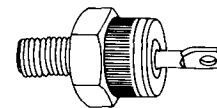
# SILICON RECTIFIERS MEDIUM CURRENT 20 TO 40 AMPERES

JEDEC	1N2488-50B	1N1195A-98A	1N2154-60	1N1183-90 1N3765-68 1N5332	1N1183A-90A	1N3899-3903	1N3909-13	1N4529-30	1N3208-14		
GE TYPE									A40F-M	A44F-M	
<b>ELECTRICAL SPECIFICATIONS</b>											
$I_{FM(AV)}$	Max. average forward current (1 phase operation) (A)	20	20	25	35	40	20	30	35	20	20
	@ $T_c = (^\circ C)$	150	150	145	140	150	100	100	115	110	110
$V_{RM(rep)}$	Max. repetitive peak reverse voltage (V)										
50		1N2488B	—	1N2154	1N1183	1N1183A	1N3899	1N3909*	—	1N3208 A40F	A44F
100		1N249B*	—	1N2155	1N1184*	1N1184A	1N3900	1N3910*	—	1N3209 A40A	A44A
15		—	—	—	1N1185	1N1185A	—	—	—	—	—
200		1N250B*	—	1N2156	1N1186*	1N1186A	1N3901	1N3911*	—	1N3210 A40B	A44B
300		—	1N1195A	1N2157	1N1187	1N1187A	1N3902	1N3912*	—	1N3211 A40C	A44C
400		—	1N1196A	1N2158	1N1188*	1N1188A	1N3903	1N3913*	—	1N3212 A40D	A44D
500		—	1N1197A	1N2159	1N1189	1N1189A	—	—	—	1N3213 A40E	A44E
600		—	1N1198A	1N2160	1N1190	1N1190A	—	—	—	1N3214 A40M	A44M
700		—	—	—	1N3765	—	—	—	—	—	—
800		—	—	—	1N3766	—	—	—	—	—	—
900		—	—	—	1N3767	—	—	—	—	—	—
1000		—	—	—	1N3768	—	—	—	1N4529	—	—
1200		—	—	—	1N5332	—	—	—	1N4530	—	—
$I_{FM(surge)}$	Max. peak one cycle, non-recurrent surge current (60 Hz sine wave, 1 phase operation) @ max. rated load conditions (A)	350	350	400	500	800	225	300	500	300	300
$I^2t$	Max. $I^2t$ rating (non-repetitive for 8.3 msec.) A <sup>2</sup> sec	—	—	250	500	—	—	—	500	100	100
$T_j$	Operating junction temperature range ( $^\circ C$ )	-65 to +175	-65 to +175	-65 to +200	-65 to +200	-65 to +200	-65 to +150	-65 to +150	-65 to +175	-65 to +175	-65 to +175
$T_{stg}$	Storage temperature range ( $^\circ C$ )	-65 to +175	-65 to +175	-65 to +200	-65 to +200	-65 to +200	-65 to +175	-65 to +175	-65 to +200	-65 to +175	-65 to +175
$\theta_{j-c}$	Max. thermal resistance, junction-to-case ( $^\circ C/W$ )	1.5	1.5	1.5	1.0	1.0	1.5	1.0	1.0	1.5	1.5
$V_{FM}$	Max. peak forward voltage drop @ rated $I_{FM(AV)}$ (1 phase operation) (V)	1.0	1.0	1.3	1.7	1.3	1.4	1.4	1.4	1.2	1.2
	@ $T_c = (^\circ C)$	25	25	25	140	25	25	25	115	25	25
$T_{rr}$	Max. reverse recovery time (nsec)	—	—	—	—	—	200	200	—	—	—
<b>PACKAGE OUTLINE NO.</b>		123	123	123	123	123	123	123	123	125	126
<b>SPECIFICATION SHEET NO.</b>		140.28	140.30	140.40	140.50	140.50	140.47	140.48	140.37	140.32	140.33

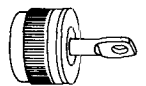
\* JAN & JANTX types available



123



125



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