

# DIODE TRANSISTOR CO., INC.

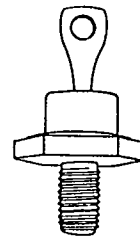
## RECTIFIERS 20 TO 40A AMPERES

JEDEC

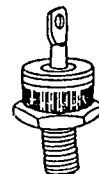
1N248B-50B    1N1195A-98A    1N2154-60    1N1183-90  
1N3765-68  
1N5332    1N4529-30    1N1183A-90A    1N3899-3903    1N3909-13    1N3208-14

SPECIFICATIONS

IFM(AV) Max. average forward current (1 phase operation) (A)		20	25	35	35	40	20	30	20	
VRM(rep) Max. repetitive peak reverse voltage (V)	@TC = (°C)	150	150	145	140	115	150	100	100	110
50		1N248B	1N1191A	1N2154	1N1183	—	1N1183A	1N3899*	1N3909	1N3208
100		1N249B	1N1192A	1N2155	1N1184*	—	1N1184A	1N3910*	1N3910*	1N3209
150		—	1N1193A	—	1N1185	—	1N1185A	—	—	—
200		1N250B	1N1194A	1N2156	1N1186*	—	1N1186A	1N3901*	1N3911	1N2110
300		—	1N1195A	1N2157	1N1187	—	1N1187A	1N3912*	1N3912*	1N3211
400		—	1N1196A	1N2158	1N1188*	—	1N1188A	1N3913*	1N3913*	1N3212
500		—	1N1197A	1N2159	1N1189	—	1N1189A	—	—	1N3213
600		—	1N1198A	1N2160	1N1190*	—	1N1190A	—	—	1N3214
700		—	—	—	1N3765	—	—	—	—	—
800		—	—	—	1N3766	—	—	—	—	—
900		—	—	—	1N3767	—	—	—	—	—
10000		—	—	—	1N3768	1N4529	—	—	—	—
1200		—	—	—	1N5332	1N4530	—	—	—	—
IFM(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	500	800	225	300	300
1 <sup>st</sup> Max. 1 <sup>st</sup> rating (non-repetitive for 8.3 msec) A <sup>2</sup> sec		—	—	250	500	500	—	—	—	100
TJ Operating junction temperature range (°C)		-65 to +175	-65 to +175	-65 to +200	-65 to +200	-65 to +175	-65 to +200	-65 to +150	-65 to +150	-65 to +175
Tstg Storage temperature range (°C)		-65 to +175	-65 to +175	-65 to +200	-65 to +200	-675 to +200	-65 to +200	-65 to +175	-65 to +175	-65 to +175
ROJC Max. thermal resistance, junction-to-case (°C/W)		1.2	1.2	1.4	1.0	1.0	1.0	1.5	1.0	1.5 Typical
VFM Max. peak forward voltage drop @ rated IF(AV) (1 phase operation) (V)		1.5	1.2	1.2	1.8	1.4	1.3	1.4	1.4	1.00 Typical
@TC = (°C)		25	25	145	140	115	25	25	25	25
Trr Max. reverse recovery time (insec)		—	—	—	—	—	—	—	200	—
PACKAGE OUTLINE NO.		123	123	123	123	123	123	123	123	125



123



125



126