

DIODE TRANSISTOR CO., INC.

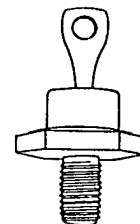
RECTIFIERS 20 TO 40A AMPERES

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
@ TC = (°C)	150	150	145	140	115	150	100	100	110
VRM(rep) Max. repetitive peak reverse voltage (V)									
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 st Max. 1 st rating (non-repetitive for 8.3 msec) A ² sec	—	—	250	500	500	—	—	—	100
T _J 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
T _{stg} Storage temperature range (°C)	-65 to +175	-65 to +175	-65 to +200	-65 to +200	-67.5 to +200	-65 to +200	-65 to +175	-65 to +175	-65 to +175
R _{θJC} 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
V _{FM} 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
T _{rr} Max. reverse recovery time (Insec)	—	—	—	—	—	—	—	200	—
PACKAGE OUTLINE NO.	123	123	123	123	123	123		123	125



123



125



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