

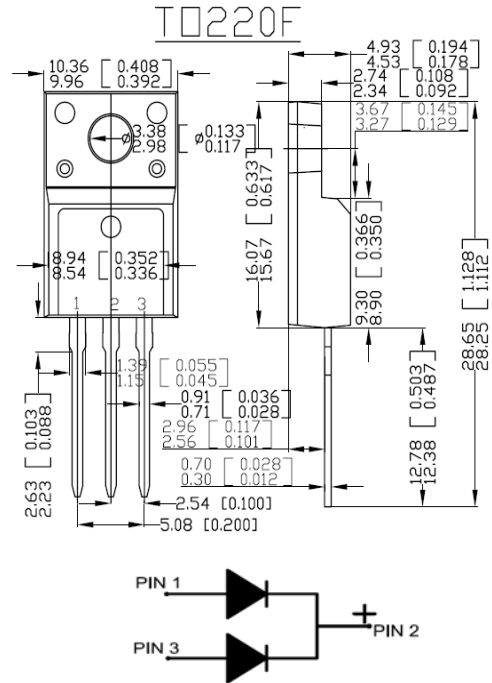


TO- 220F SCHOTTKY BARRIER RECTIFIERS

MBR20150

FEATURES

- Schottky Barrier Chip
- Guard Ring Die Construction for Transient Protection
- Low Power Loss,High Efficiency
- High Surge Capability
- High Current Capability and Low Forward Voltage Drop
- For Use in Low Voltage,High Frequency Inverters,Free Wheeling,and Polarity Protection Applications



Dimensions in millimeters and (inches)

ELECTRICAL CHARACTERISTICS (Tamb=25°C)

Characteristic	Symbol	MBR20150	Unit
Peak Repetitive Reverse Voltage	V_{RRM}	150	V
Working Peak Reverse Voltage	V_{RWM}		
DC Blocking Voltage	V_R		
Average Rectifide Output Current	I_c	20	A
Maximum Instaneous Forward Voltage	V_F	@ $I_F = 10A, T_c = 25^\circ C$	V
		@ $I_F = 10A, T_c = 125^\circ C$	
		@ $I_F = 20A, T_c = 25^\circ C$	
		@ $I_F = 20A, T_c = 125^\circ C$	
Peak Reverse Current @ $T_c = 25^\circ C$ at Rated DC Blocking Voltage @ $T_c = 125^\circ C$	I_R	50	uA
		200	
Operating and Storage Temperature Range	T_j, T_{stg}	-55 to +150	°C

Fig. 1: Average forward power dissipation versus average forward current (per diode).

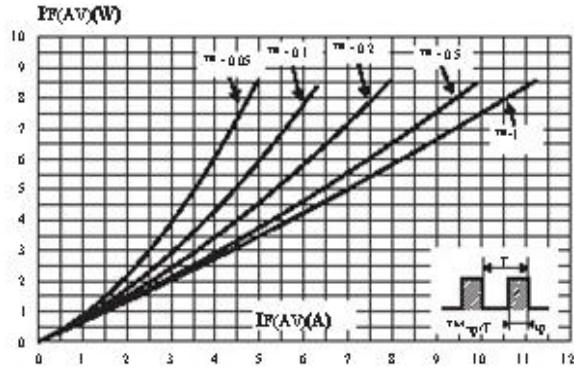


Fig. 2: Average forward current versus ambient temperature ($\delta = 0.5$, per diode).

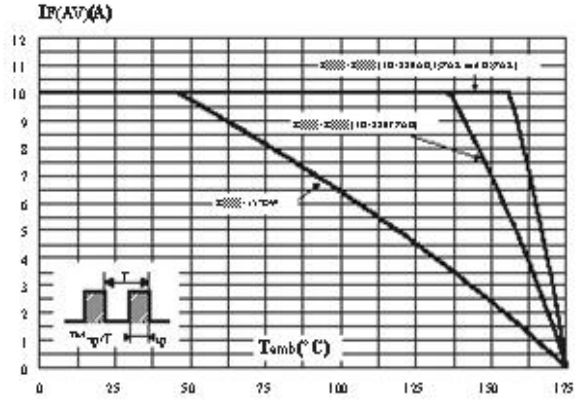


Fig. 3: Junction capacitance versus reverse voltage applied (typical values, per diode).

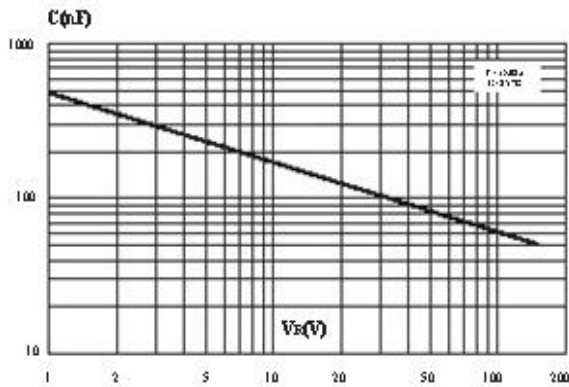


Fig. 4: Normalized avalanche power derating versus junction temperature.

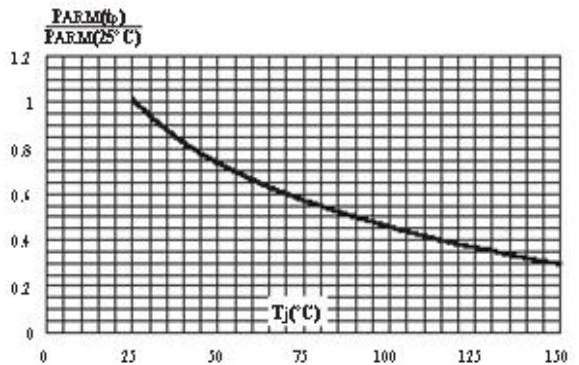


Fig. 5: Reverse leakage current versus reverse voltage applied (typical values, per diode).

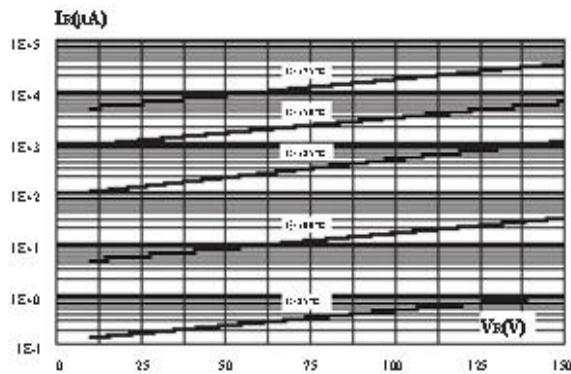
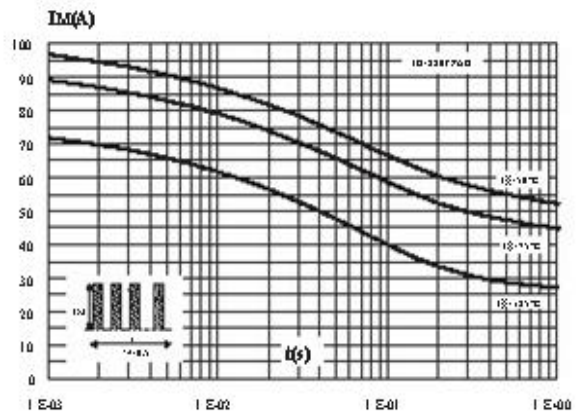


Fig. 6: Non repetitive surge peak forward current versus overload duration (maximum values, per diode).



X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Schottky Diodes & Rectifiers](#) category:

Click to view products by [Haolin](#) manufacturer:

Other Similar products are found below :

[MA4E2039](#) [MMBD301M3T5G](#) [HFA35HB60C](#) [RB160M-50TR](#) [D83C](#) [BAS16E6433HTMA1](#) [BAS 3010S-02LRH](#) [E6327](#) [BAT 54-02LRH](#)
[E6327](#) [NRVBAF360T3G](#) [NSR05F40QNXT5G](#) [NTE555](#) [JANS1N6640](#) [SS3003CH-TL-E](#) [GA01SHT18](#) [CRS10I30A\(TE85L,QM](#)
[MBRA140TRPBF](#) [MBRB30H30CT-1G](#) [BAT 15-04R](#) [E6152](#) [JANTX1N5712-1](#) [DMJ3940-000](#) [SB007-03C-TB-E](#) [NRVBB20100CTT4G](#)
[NRVBM120LT1G](#) [NTSB30U100CT-1G](#) [CRG04\(T5L,TEMQ\)](#) [ACDBA1100LR-HF](#) [ACDBA1200-HF](#) [ACDBA240-HF](#) [ACDBA3100-HF](#)
[CDBQC0530L-HF](#) [ACDBA260LR-HF](#) [ACDBA1100-HF](#) [10BQ015-M3/5BT](#) [NRVBM120ET1G](#) [VSSB410S-M3/5BT](#) [1N5819T-G](#)
[PDS1040Q-13](#) [B160BQ-13-F](#) [SDM05U20CSP-7](#) [BAS 70-07](#) [E6433](#) [B140S1F-7](#) [HSM560Je3/TR13](#) [DDB2265-000](#) [ZHCS506QTA](#)
[HSM190Je3/TR13](#) [B330AF-13](#) [ACDBUC0230-HF](#) [SDM1U100S1F-7](#) [MBR10200CTF-G1](#) [CDLL5712](#)