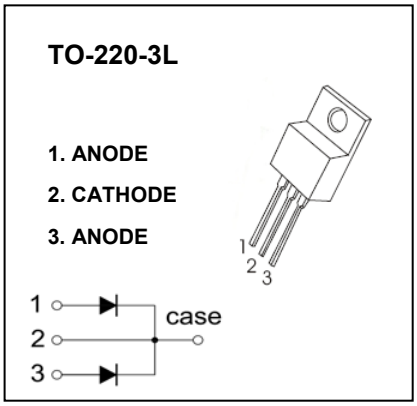
SHENZHEN HAOLIN ELECTRONICS TECHNOLOGY CO., LTD

TO- 220 SCHOTT KY BARRIER RECTIFIERS

MBR30100CT



Dimensions in millimeters and (inches)

FEATURES

- Schottky Barrier Chip
- Guard Ring Die Construction for Transient Protection
- Low Power Loss,High Effciency
- 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

ELECTRICAL CHARACTERISTICS (Tamb=25^{0}C)

Characteristic	Symbol	MBR30100CT	Unit
Peak Repetitive Reverse Voltage	V_{RRM}	100	V
Working Peak Reverse Voltage	V_{RWM}		
DC Blocking Voltage	V_R		
Average Rectifide Output Current	I_C	30	A
Maximum Instaneous Forward Voltage @I_F =15A,Tc=25 ^{0}C	V_F	0.85	V
Peak Reverse Current @Tc=25 ^{0}C	I_R	30	uA
at Rated DC Blocking Voltage @Tc=125 ^{0}C		100	
Operating and Storage Temperature Range	T_j ,T_{stg}	-55 to +150	^{0}C

MBR30100 CT　型特性曲线

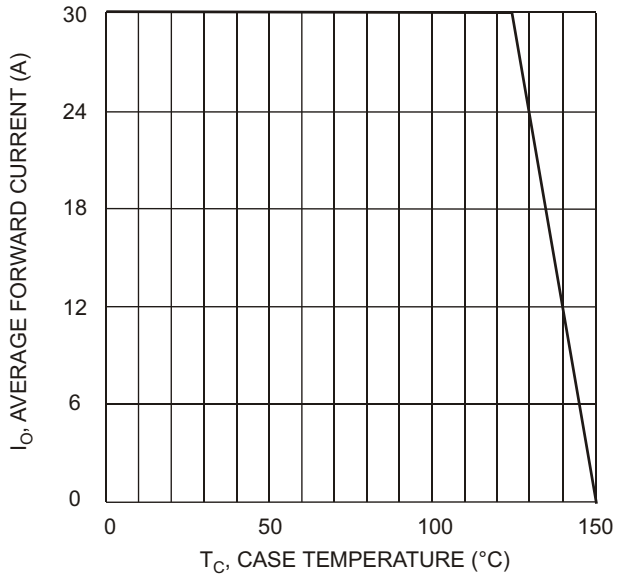


Fig. 1 Forward Current Derating Curve, total device

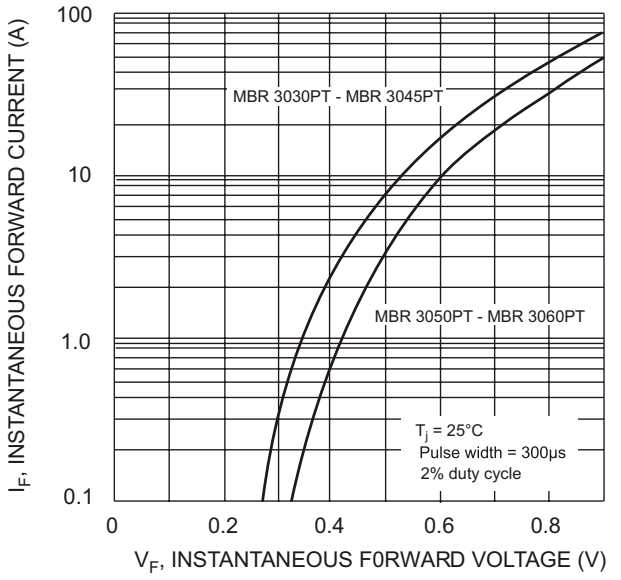


Fig. 2 Typical Forward Characteristics, per element

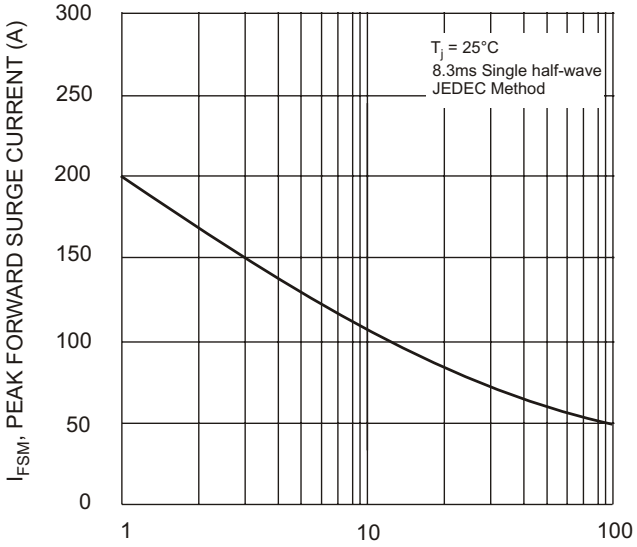


Fig. 3 Max Non-Repetitive Surge Current

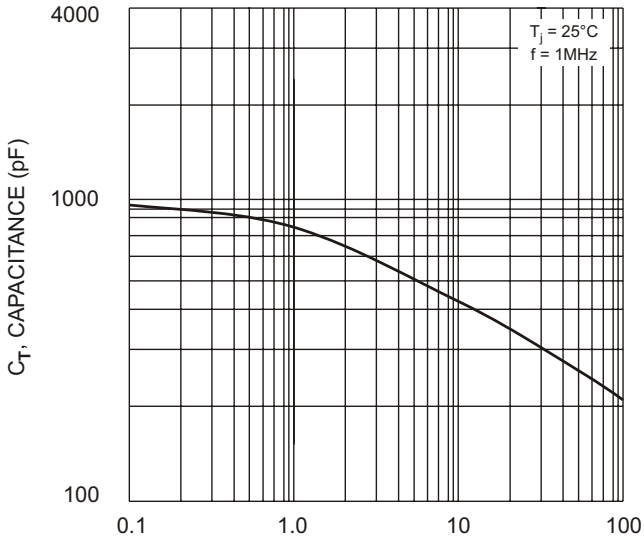


Fig. 4 Typical Total Capacitance

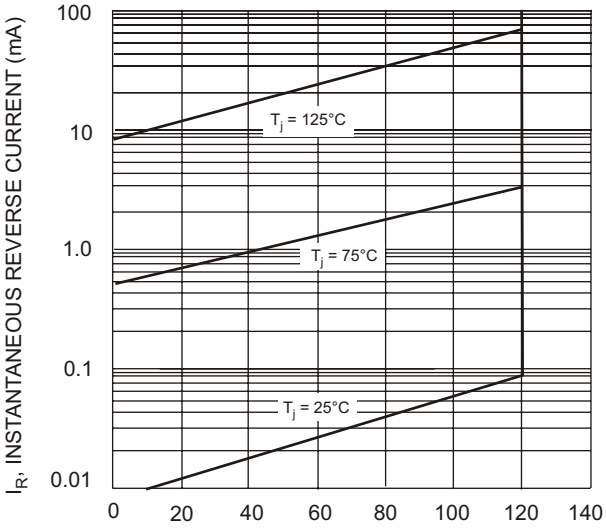


Fig. 5 Typical Reverse Characteristics, per element