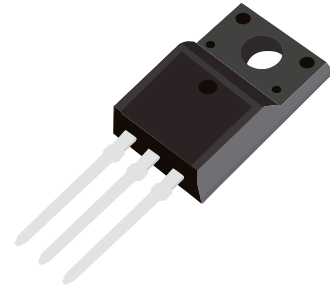


GCHOTTKY BARRIER RECTIFIERS

FEATURES

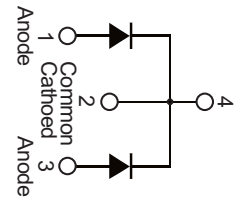
- High efficiency
- Low forward voltage drop
- High surge current capability
- Low reverse leakage current
- High reliability
- RoHS compliant

ITO-220AB



MECHANICAL DATA

- Dimensions in millimeters
- Dimensions in inches
- Lead length
- Mounting hole diameter
- Lead spacing



Maximum Ratings And Electrical Characteristics

Parameter	Symbol	MBRF10200TCT	Unit
Peak Repetitive Reverse Voltage	V_{RRM}	200	V
Average Rectified Output Current (Total)	I_O	10	A
Average Rectified Output Current (per Leg)		5	
Maximum Forward Voltage ($I_F = 5A, T_C = 25^\circ C$)	V_F	0.88	V
Non-Repetitive Peak Forward Surge Current 8.3ms Single Half Sine-Wave Superimposed on Reate Load	I_{FSM}	150	A
Operating Junction Temperature	T_J	- 55 to +175	$^\circ C$
Maximum Instantaneous Reverse Current (Rated dc Voltage, $T_C = 125^\circ C$) (Rated dc Voltage, $T_C = 25^\circ C$)	I_R	6.0	mA
		0.02	

Note: The typical data above is for reference only.



Ratings And Characteristic Curves

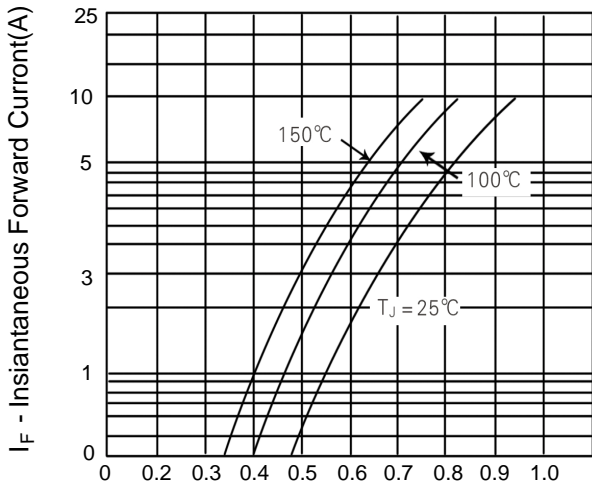


Figure 1. Typical Forward Voltage Per Diode

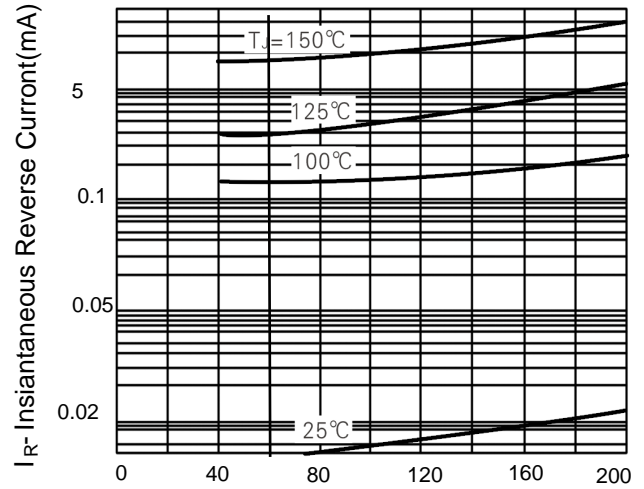


Figure 2. Typical Reverse Current Per Diode

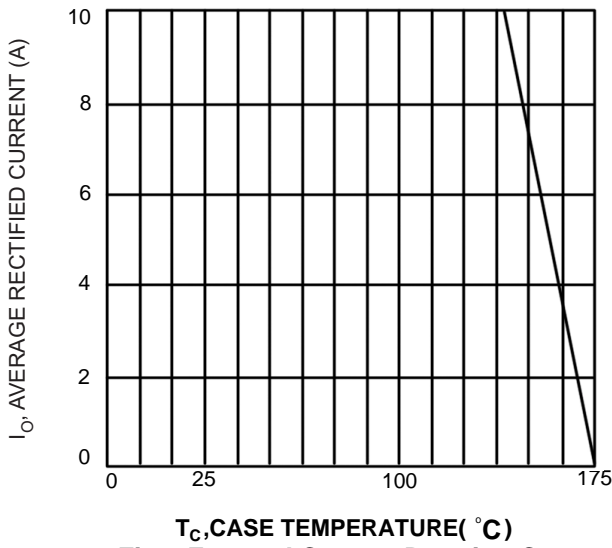


Fig.3 Forward Current Derating Curve

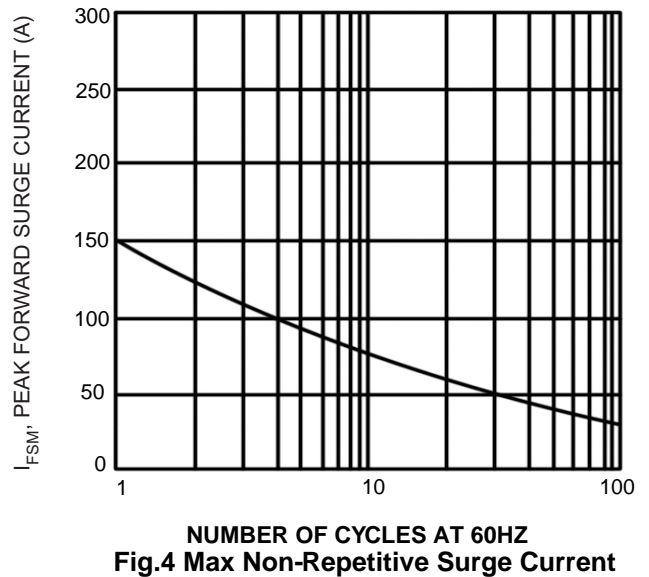


Fig.4 Max Non-Repetitive Surge Current

The curve above is for reference only.

