

10 AMPERES SCHOTTKY BARRIER RECTIFIERS

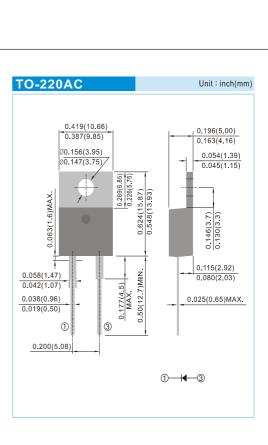
VOLTAGE 40 to 200 Volt CURRENT 10 Ampere

FEATURES

- Plastic package has Underwriters Laboratory Flammability Classification 94V-O.
 Flame Retardant Epoxy Molding Compound.
- · Low power loss, high efficiency.
- · High current capability
- For use in low voltage, high frequency inverters free wheeling, and polarlity protection applications.
- Lead free in compliance with EU RoHS 2011/65/EU directive
- Green molding compound as per IEC61249 Std. . (Halogen Free)

MECHANICAL DATA

- Case: TO-220AC molded plastic
- Terminals: solder plated, solderable per MIL-STD-750, Method 2026
- · Polarity: As marked.
- Weight: 0.067 ounces, 1.89 grams.



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

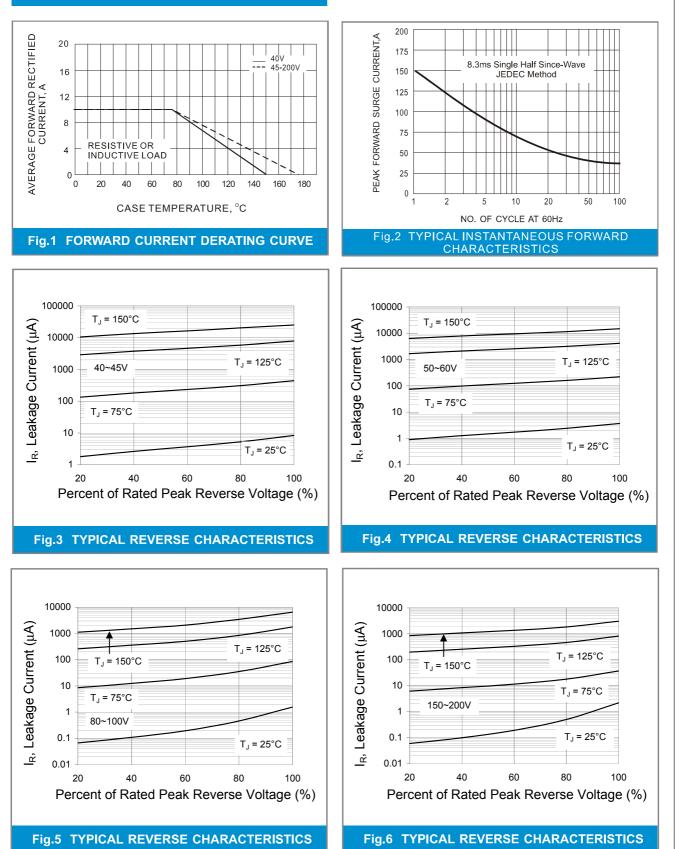
Ratings at 25°C ambient temperature unless otherwise specified. Single phase, half wave, 60 Hz, resistive or inductive load. For capacitive load, derate current by 20%

PARAMETER	SYMBOL	MBR1040	MBR1045	MBR1050	MBR1060	MBR1080	MBR1090	MBR10100	MBR10150	MBR10200	UNITS
Maximum Recurrent Peak Reverse Voltage	V _{RRM}	40	45	50	60	80	90	100	150	200	v
Maximum RMS Voltage	V _{rms}	28	31.5	35	42	56	63	70	105	140	v
Maximum DC Blocking Voltage	Vdc	40	45	50	60	80	90	100	150	200	v
Maximum Average Forward Current	F(AV)	10								A	
Peak Forward Surge Current : 8.3ms single half sine- wave superimposed on rated load	IFSM	150								A	
Maximum Forward Voltage at 10A, per leg	Vf	0.7		0.75		0.8		0.9		v	
Maximum DC Reverse Current at Rated DC $T_{J}=25^{\circ}C$ Blocking Voltage $T_{J}=125^{\circ}C$	Ir	0.05 20									mA
Typical Thermal Resistance	Rejc	3								°C / W	
Operating and Storage Junction Temperature Range	TJ, TSTG	-55 to + 150 -65 to + 175								°C	

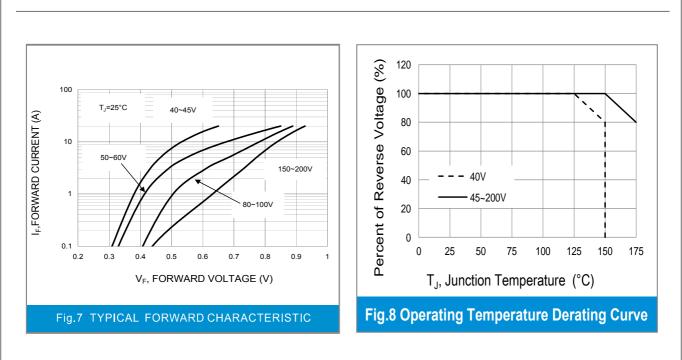
Notes : Both Bonding and Chip structure are available.



RATING AND CHARACTERISTIC CURVES









Disclaimer

- Reproducing and modifying information of the document is prohibited without permission from Panjit International Inc..
- Panjit International Inc. reserves the rights to make changes of the content herein the document anytime without notification. Please refer to our website for the latest document.
- Panjit International Inc. disclaims any and all liability arising out of the application or use of any product including damages incidentally and consequentially occurred.
- Panjit International Inc. does not assume any and all implied warranties, including warranties of fitness for particular purpose, non-infringement and merchantability.
- Applications shown on the herein document are examples of standard use and operation. Customers are responsible in comprehending the suitable use in particular applications. Panjit International Inc. makes no representation or warranty that such applications will be suitable for the specified use without further testing or modification.
- The products shown herein are not designed and authorized for equipments requiring high level of reliability or relating to human life and for any applications concerning life-saving or life-sustaining, such as medical instruments, transportation equipment, aerospace machinery et cetera. Customers using or selling these products for use in such applications do so at their own risk and agree to fully indemnify Panjit International Inc. for any damages resulting from such improper use or sale.
- Since Panjit uses lot number as the tracking base, please provide the lot number for tracking when complaining.