



Mechanical Data

- Case: Molded plastic, ITO-220AB
- Terminals: Solder plated, solderable per MIL-STD-750, Method 2026
- Approx. Weight: 0.056 ounces, 1.6 grams
- Marking: Part number



Maximum Ratings (T_A=25[°]C unless otherwise noted)

PARAMETER		SYMBOL	MBR10100FAT	MBR10150FAT	MBR10200FAT	UNIT
Maximum repetitive peak reverse voltage		Vrrm	100 150 2		200	V
Maximum rms voltage		Vrms	70	105	140	V
Maximum dc blocking voltage		Vr	100	150	200	V
Maximum average forward rectified current	per device per diode	lf(AV)	10 5			А
Peak forward surge current : 8.3ms single half sine- wave superimposed on rated load per diode		Ігѕм	150			А
Maximum forward voltage at 5A per diode		VF	0.8 0.9		V	
Maximum dc reverse current at rated dc	TJ =25 °C	-	50			μA
blocking voltage per diode	TJ =125 °C	lr	20			mA
Typical thermal resistance per diode	(Note 1)	$R_{ extsf{ heta}JC}$	7.7			°C/W
Operating junction temperature range		TJ	-55 to +175			°C
Storage temperature range		Тѕтс	-55 to +175			°C

Note : 1. Semi-infinite heatsink.





TYPICAL CHARACTERISTIC CURVES







Part No Packing Code Version

Par	rt No Packing Code	Package Type	Packing Type	Marking	Version
MBR	10100FAT_T0_00001	ITO-220AB	50pcs / Tube	MBR10100FAT	Halogen free
MBR	10150FAT_T0_00001	ITO-220AB	50pcs / Tube	MBR10150FAT	Halogen free
MBR	10200FAT_T0_00001	ITO-220AB	50pcs / Tube	MBR10200FAT	Halogen free





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, noninfringement 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.