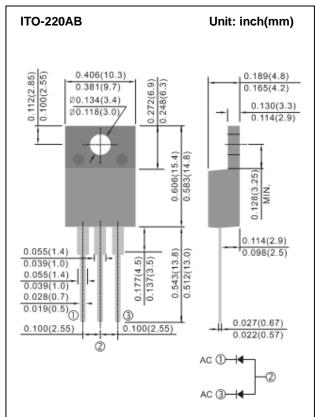


#### Mechanical Data

- 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<sub>A</sub>=25<sup>°</sup>C unless otherwise noted)

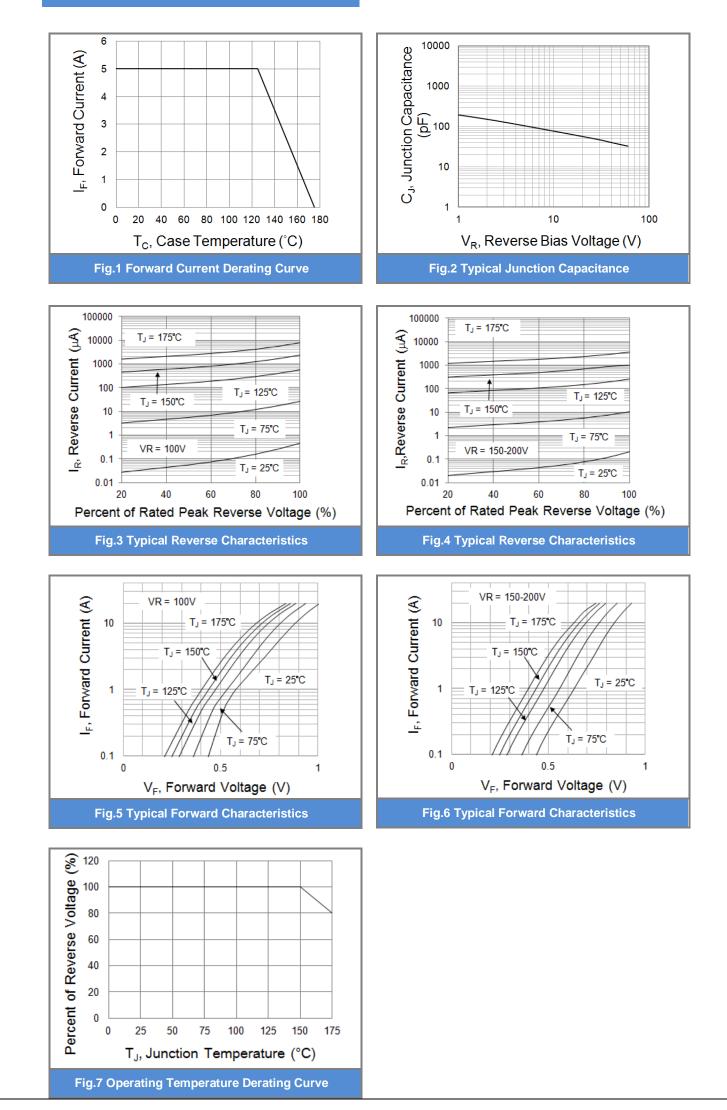
PARAMETER		SYMBOL	MBR10100FAT	MBR10150FAT	MBR10200FAT	UNIT
Maximum repetitive peak reverse voltage		Vrrm	100 150 2		200	V
Maximum rms voltage		Vrms	70	105	140	V
Maximum dc blocking voltage		Vr	100	150	200	V
Maximum average forward rectified current	per device per diode	lf(AV)	10 5			А
Peak forward surge 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





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