Schottky Barrier Rectifier multicomp





Features:

- Metal of silicon rectifier, majority carrier conduction
- Guard ring for transient protection
- Low power loss, high efficiency
- High current capability, low VF
- High surge capacity
- Plastic package has UL flammability classification 94V-0
- For use in low voltage, high frequency inverters, free wheeling and polarity protection applications

Mechanical Data:

Case : TO-220AC molded plastic Polarity : As marked on the body Weight : 0.08 ounces, 2.24 grams

Mounting Position : Any Reverse Voltage : 100 Volts Forward Current : 16 Amperes

Maximum Ratings and Electrical Characteristics:

Rating at 25°C ambient temperature unless otherwise specified.

Single phase, half wave, 60Hz, resistive or inductive load.

For capacitive load, derate current by 20%.

Characteristics	Symbol	Value	Unit
Max. Recurrent Peak Reverse Voltage	Vrrm	100	
Max. RMS Voltage	VRMS	70	\ \
Max. DC Blocking Voltage	VDC	100	
Max. Average Forward Rectified Current	I(AV)	16	
Peak Forward Surge Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load (JEDEC Method)	İFSM	150	A
Peak Forward IF = 16A @ TJ = 25°C Voltage (Note 1) IF = 16A @ TJ = 25°C	VF	0.85 0.75	V
	lr	0.3 7.5	mA
Typical Junction Capacitance (Note 2)	CJ	500	pF
Typical Thermal Resistance (Note 3)	Rejc	3	°C/W
Operating Temperature Range	TJ	-55 to +150	°C
Storage Temperature Range	Тѕтс	-55 to +150	°C

Notes:

- 1. 300µs pulse width,2% duty cycle.
- 2. Measured at 1.0 MHz and applied reverse voltage of 4.0V DC.
- 3. Thermal resistance junction to case.
- 4. The typical data above is for reference only

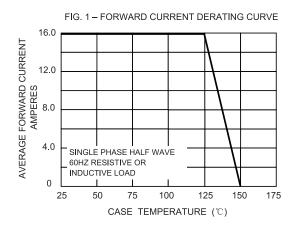
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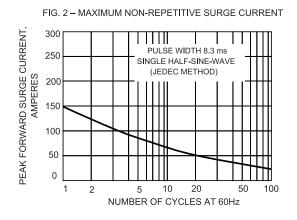


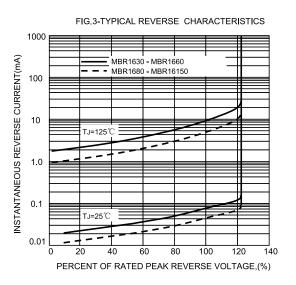
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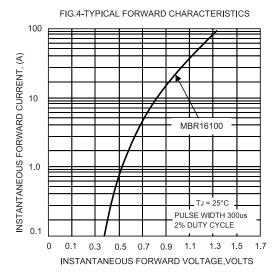


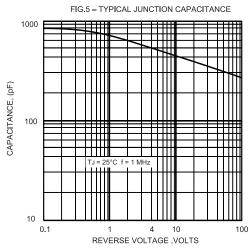
Ratings and Characteristic Curves











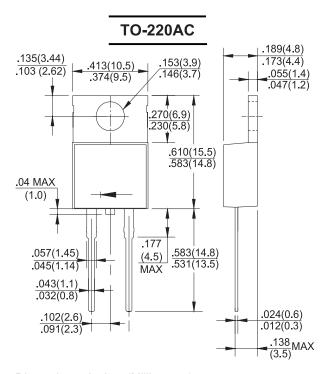
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Dimensions:



Dimensions: Inches (Millimetres)

Part Number Table

Description	Part Number	
Schottky Barrier Rectifiers	MBR16100	

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