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 : 60 Volts Forward Current : 10 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	Values	Unit
Max. Recurrent Peak Reverse Voltage		60	V
Max. RMS Voltage		42	
Max. DC Blocking Voltage	VDC	60	
Max. Average Forward Rectified Current (See Fig.1)	I(AV)	10	
Peak Forward Surge Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load (JEDEC M	IFSM ethod)	150	A
IF=20A @	TJ=125°C	0.8 0.7 0.95 0.85	V
	= 25°C = 125°C	0.1 10	mA
Typical Junction Capacitance (Note 2)	CJ	400	pF
Typical Thermal Resistance (Note 3)	Rejc	2.5	°C/W
Operating Temperature Range	TJ	-55 to +150	°C
Storage Temperature Range	Тѕтс	-55 to +175	°C

Notes:

- 1. 300µs pulse width,2% duty cycle.
- 2. Measured at1.0MHz and applied reverse voltage of 4.0V DC.
- 3. Thermal resistance junction to case
- 4. The typical data above is for reference only

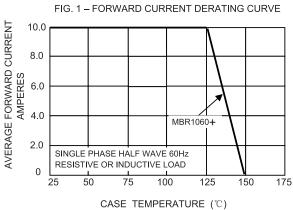
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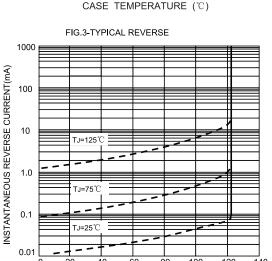


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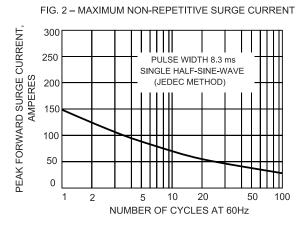


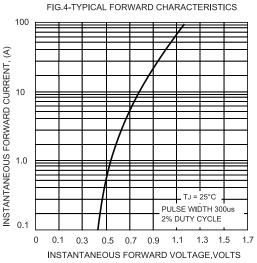
Ratings and Characteristic Curves

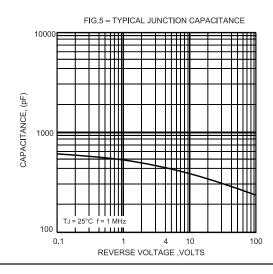




PERCENT OF RATED PEAK REVERSE VOLTAGE,(%)







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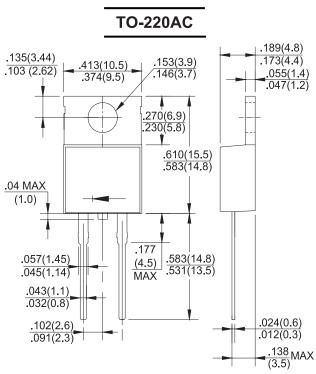


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Dimensions:



Dimensions: Inches (Millimetres)

Part Number Table

Description	Part Number	
Schottky Barrier Rectifiers	MBR1060+	

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