

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-220AB 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%.

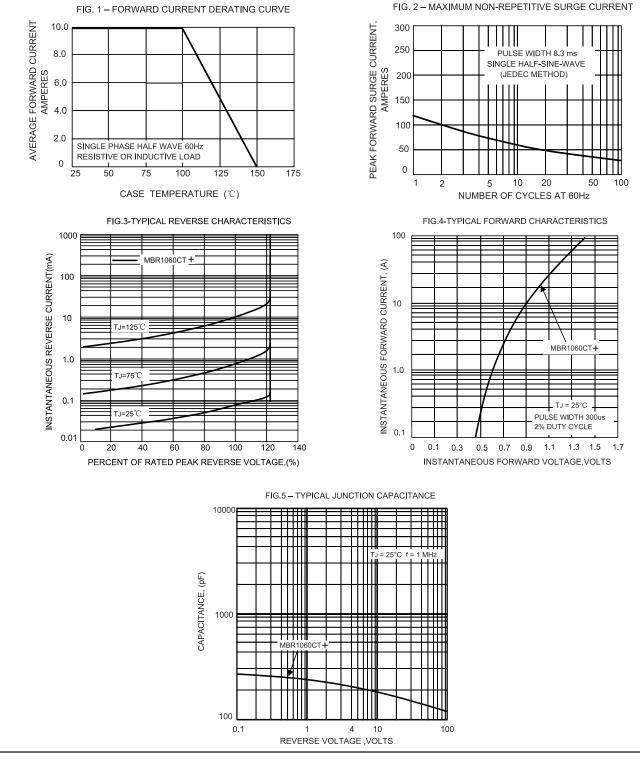
Characteristics		Symbol	Values	Unit
Max. Recurrent Peak Reverse Voltage		VRRM	60	
Max. RMS Voltage		Vrms	42	V
Max. DC Blocking Voltage		Vdc	60	
Max. Average Forward Rectified Current (See Fig.1)		l(AV)	10	
Peak Forward Surge Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load (Jl	EDEC Method)	IFSM	120	A
	F=5A @TJ=25°C F=5A @TJ=125°C F=10A @TJ=25°C F=10A @TJ=125°C	VF	0.8 0.65 0.9 0.75	V
Max. DC Reverse Current at Rated DC Blocking Voltage at	TA = 25°C TA = 125°C	IR	0.1 15	mA
Typical Junction Capacitance (Note 2)		CJ	220	pF
Typical Thermal Resistance (Note 3)		Rejc	3	°C/W
Operating Temperature Range		TJ	-55 to +150	°C
Storage Temperature Range		Tstg	-55 to +175	°C

Notes:

- 1. 300µs pulse width, 2% duty cycle.
- 2. Measured at 1.0MHz 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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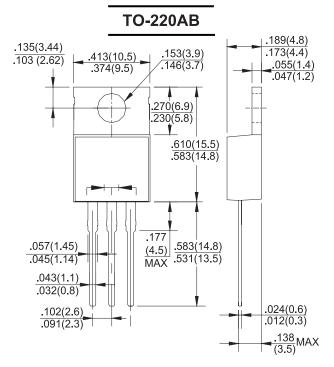


Ratings and Characteristic Curves

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Dimensions:



Dimensions : Inches (Millimetres)

Part Number Table

Description	Part Number	
Schottky Barrier Rectifier	MBR1060CT+	

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