Schottky Barrier Rectifier multicomp PRO





Features:

- Schottky barrier chip
- Guard ring for over voltage protection
- Low power loss, high efficiency
- High current capability, low VF
- High surge capacity
- Plastic package has UL flammability classification 94V-0

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 : 40 to 100 Volts **Forward Current** : 20 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	MBR2040CT	MBR2050CT	MBR2060CT	MBR20100CT	Unit
Max. Recurrent Peak Reverse Voltage	Vrrm	40	50	60	100	
Max. RMS Voltage	VRMS	28 35 42 70			70	v
Max. DC Blocking Voltage	VDC	40	50	60	100	
Max. Average Forward Rectified Current	l(AV)	20				
Peak Forward Surge Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load (JEDEC Method)	IFSM	150			A	
Peak Forward Voltage (Note1)	VF	0. 5 7 0.84 0.72	0.	.8 .7 95 85	0.85 0.75 0.95 0.85	V
Max. DC Reverse Current TJ=25°C Rated DC Blocking Voltage TJ=125°C	lr	0.1 15	0 1	.1 0	0.1 7.5	mA
Typical Junction Capacitance (Note 2)	Сл	400 320		pF		
Typical Thermal Resistance (Note 3)	Rejc	1.5 3.5			°C/W	
Operating Temperature Range	TJ	-55 to +150			°C	
Storage Temperature Range	Тѕтс	-55 to +175			°C	

Notes:

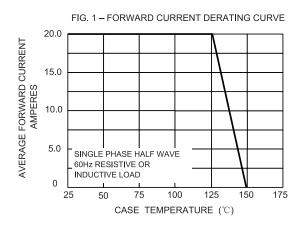
- 1. 300µs pulse width,2% duty cycle.
- 2. Measured at 1.0 MHZ and applied reverse voltage of 4.0V DC.
- 3. Thermal resistance junction to case.
- 4. The typical data above is for reference only

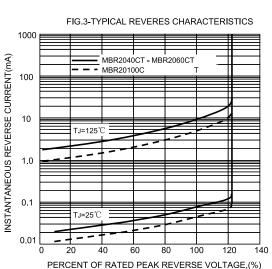
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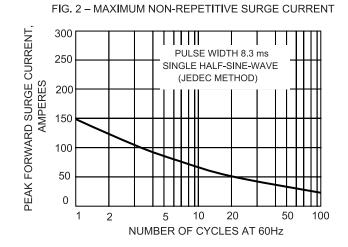


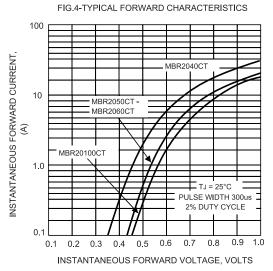
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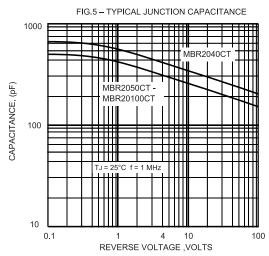
Ratings and Characteristic Curves











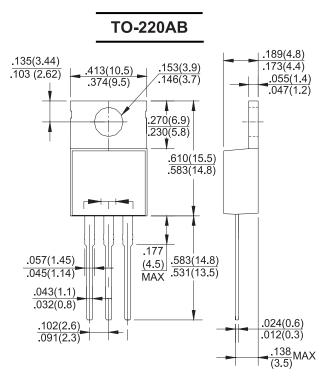
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Dimensions:



Dimensions: Inches (Millimetres)

Part Number Table

Description	Part Number		
	MBR2040CT		
Sabattley Parriar Doctifiors	MBR2050CT		
Schottky Barrier Rectifiers	MBR2060CT		
	MBR20100CT		

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