

MBR12080CT(R) THRU MBR120100CT(R)

SCHOTTKY DIODE MODULE TYPES 120A / 80-100V

Features

High Surge Capability
Types up to 100V V_{RRM}

Maximum Ratings

Junction Operating Temperature : -55°C to +150°C

Storage Temperature : -55°C to +150°C

Part Number	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
MBR12080CT(R)	80V	56V	80V
MBR12090CT(R)	90V	63V	90V
MBR120100CT(R)	100V	70V	100V

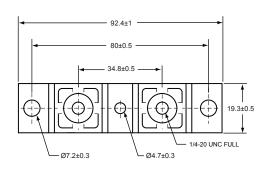
Electrical Characteristics @ 25 °C Unless Otherwise Specified

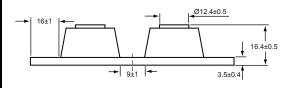
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Average Forward Current (Per pkg)	lf(AV)	120A	Tc = 125°C	
Peak Forward Surge Current (Per diode)	IFSM	800A	8.3ms , half sine	
Maximum (Per diode) Instantaneous Forward Voltage*	VF	0.75V 0.84V	IFM=60A;TJ = 125°C IFM=60A;TJ = 25°C	
Maximum Instantaneous Reverse Current At Rated DC Blocking Voltage* (Per diode)	lr	1mA 2mA 6mA	T _J = 25°C T _J = 125°C T _J = 150°C	
Maximum Thermal Resistance Junction To Case (Per diode)	Røjc	0.80°C/W		
Mounting torque		35-40 In-lb 30-40 In-lb 8-10 In-lb	Terminal Torque Outside holes Center hole	
Weight		84g		

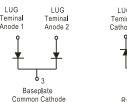
^{*}Pulse Test: Pulse Width 300 μ sec, Duty Cycle < 2%



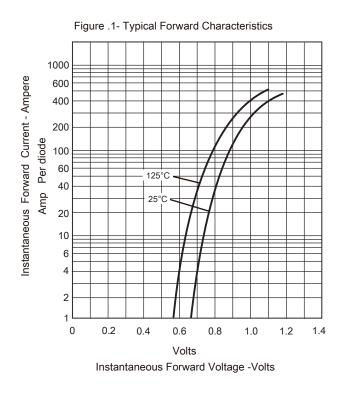
Dimensions in mm (1 mm = 0.0394")

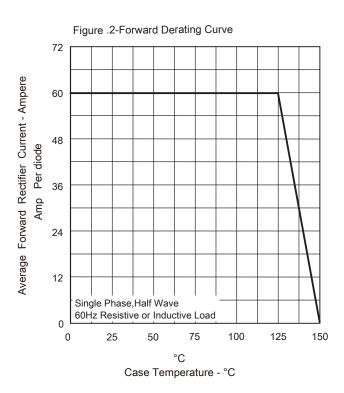


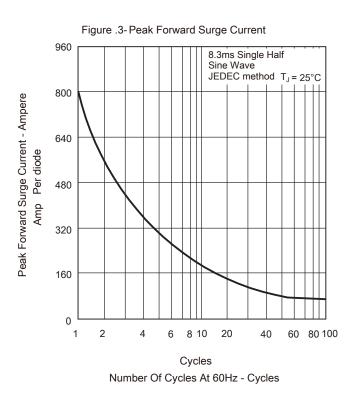


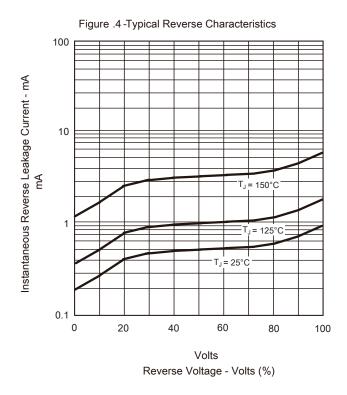














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