MBR50145CT(R)L

LOW VF SCHOTTKY DIODE MODULE TYPE 500A / 45V

Features

MBR50145CT(R)L

High Surge Capability
Type 45V VRRM



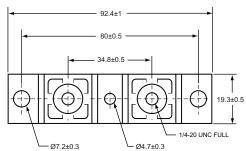
Maximum Ratings Junction Operating Temperature : -55°C to +100°C Storage Temperature : -55°C to +150°C				
•				
Part Number	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage	Dimensions in

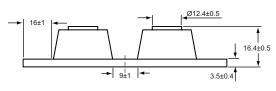
32V

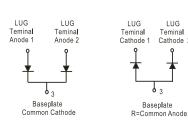
45V

TWIN TOWER

Dimensions in mm (1 mm = 0.0394")







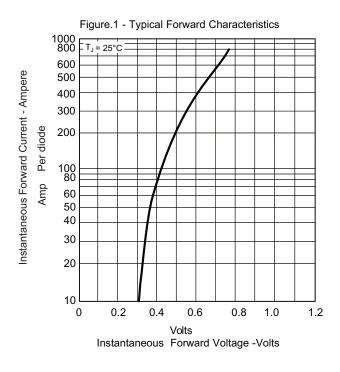
Electrical Characteristics @ 25 °C Unless Otherwise Specified

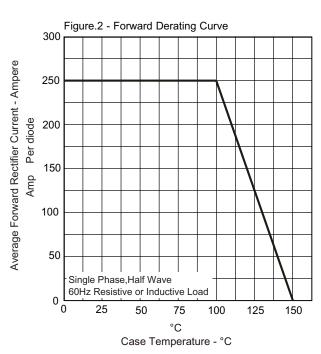
45V

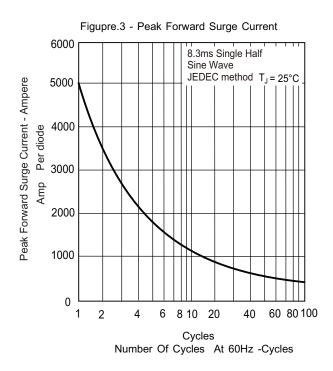
			=
Average Forward Current (Per pkg)	lf(AV)	500A	Tc = 100°C
Peak Forward Surge Current (Per diode)	İFSM	5000A	8.3ms , half sine
Maximum (Per diode) Instantaneous Forward Voltage*	VF	0.54V	IFM=250A;ТJ = 25°С
Maximum Instantaneous Reverse Current At Rated DC Blockig Voltage* (Per diode)	lr	2.0 A 8.0mA	T _J = 125°C T _J = 25°C
Maximum Thermal Resistance Junction To Case (Per diode)	Rejc	0.30°C/W	
Mounting torque		35-40 In-lb 30-40 In-lb 8-10 In-lb	Terminal torque Outside holes Center hole
Weight		84g	

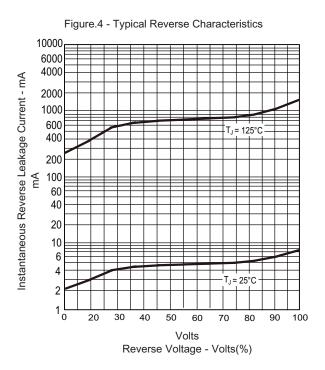
^{*}Pulse Test: Pulse Width 300 µsec, Duty Cycle < 2%

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