MUR10020CT(R)

SUPER FAST DIODE MODULE TYPE 100A / 200V

Features

High Surge Capability Type 200V V_{RRM}

Maximum Ratings

Junction Operating Temperature : -55°C to +175°C

Storage Temperature : -55°C to +175°C

Part Number	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
MUR10020CT(R)	200V	140V	200V

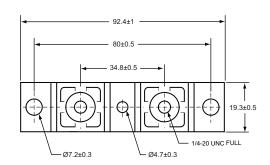
Electrical Characteristics @ 25 $^{\circ}$ C Unless Otherwise Specified

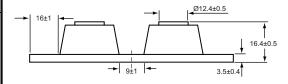
Average Forward Current (Per pkg)	l f(AV)	100A	T _C = 140°C
Peak Forward Surge Current (Per diode)	I FSM	1500A	8.3ms, half sine
Maximum Instantaneous Forward Voltage * (Per diode)	V _F	1.0 V	I _{FM} = 50A; T _J = 25°C
Maximum Instantaneous Reverse Current At Rated DC Blocking Voltage* (Per diode)	I _R	25μA 3mA	T _J = 25°C T _J = 125°C
Maximum Reverse Recovery Time (Per diode)	Trr	75ns	I _F =0.5A, I _R =1.0A, I _{RR} =0.25A
Maximum Thermal Resistance Junction To Case (Per diode)	Rojc	1.0 °C/W	
Mounting torque		35-40 ln-lb 30-40 ln-lb 8-10 ln-lb	Terminal torque Outside holes Center hole
Weight		84g	

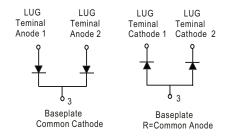
^{*}Pulse Test: Pulse Width 300 µsec, Duty Cycle 2%



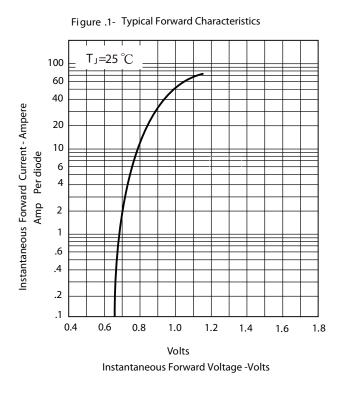
Dimensions in mm (1 mm = 0.0394")

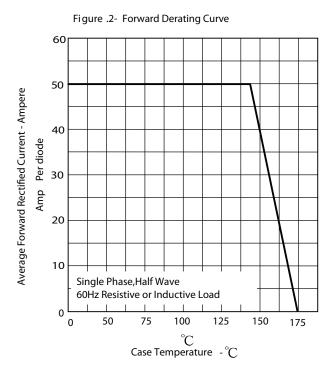


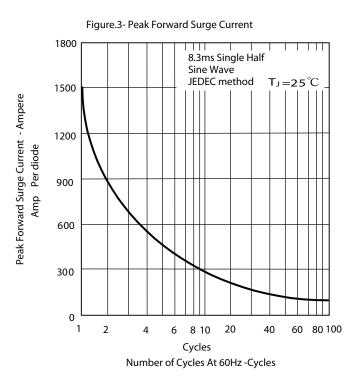


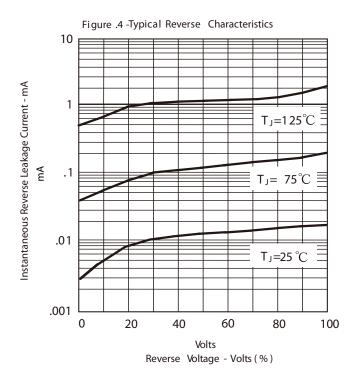


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