DACO SEMICONDUCTOR CO., LTD. MURTTA100120(A)(R)

SUPER FAST DIODE MODULE TYPE 100A / 1200V

Features

High Surge Capability Type 1200V VRRM Isolation Type Package Electrically Isolation base plate

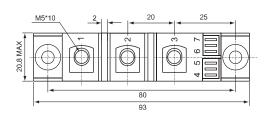
Maximum Ratings

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
MURTTA100120(A)(R)	1200V	840V	1200V

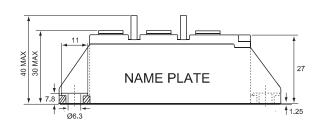


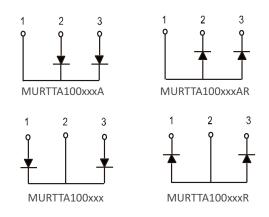
Dimensions in mm (1 mm = 0.0394")



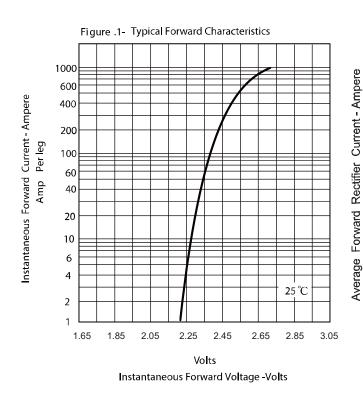
Electrical Characteristics @ 25 °C Unless Otherwise Specified.

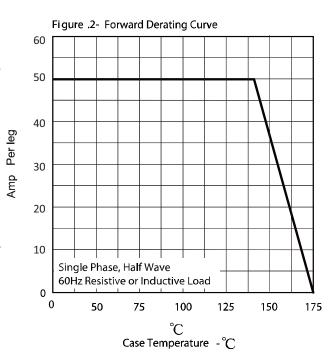
Average Forward Current (Per pkg)	I F(AV)	100 A	Tc=140℃
Peak Forward Surge Current (Per leg)	İFSM	1300 A	8.3 ms,half sine
Maximum Instantaneous Forward Voltage* (Per leg)	VF	2.35 V	IFM=50A;TJ=25℃
Maximum Instantaneous Reverse Current At Rated DC Blocking Voltage (Per leg)	lR	25 μ A 2 mA	TJ=25℃ TJ=125℃
Maximum Recovery Time Voltage (Per leg)	Trr	90 ns	I _F =0.5A, I _R =1.0A I _{RR} =0.25A
Maximum Thermal Resistance Junction To Case (Per leg)	Rθjc	1.0°C/W	
Isolation Voltage	Viso	2500 V	A.C. 1 minute
Mounting torque		5 ± 0.5Nm 3 ± 0.5Nm	to heatsink to terminals

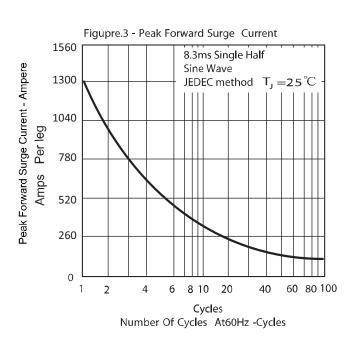


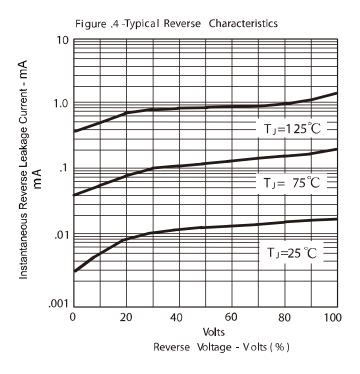


Pulse Test: Pulse Width 300 μ sec, Duty<2%









MURTTA100120(A)(R)

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