DACO SEMICONDUCTOR CO., LTD. MURTTA300120(A)(R)

SUPER FAST DIODE MODULE TYPE 300A / 1200V

Features

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

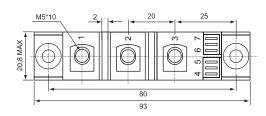
Maximum Ratings

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 |
|--------------------|---|------------------------|-----------------------------------|
| MURTTA300120(A)(R) | 1200V | 840V | 1200V |

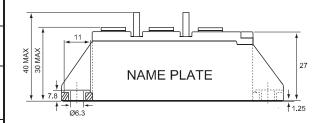


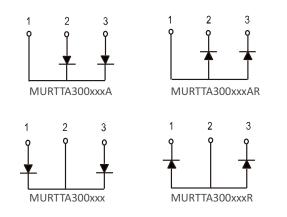
Dimensions in mm (1 mm = 0.0394")



Electrical Characteristics @ 25 °C Unless Otherwise Specified.

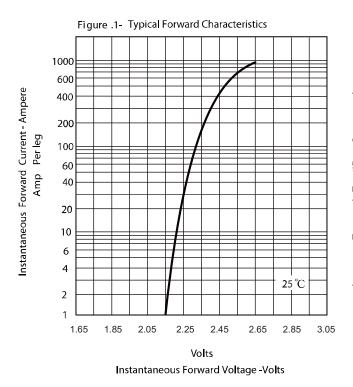
| Average Forward Current (Per pkg) | I F(AV) | 300 A | Tc=125℃ |
|---|----------------|------------------------|-------------------------------|
| Peak Forward Surge Current (Per leg) | lгsм | 2750 A | 8.3ms,half sine |
| Maximum Instantaneous Forward Voltage* (Per leg) | VF | 2.35 V | IFM=150A;TJ=25℃ |
| Maximum Instantaneous Reverse Current At Rated DC Blocking Voltage (Per leg) | lR | 25 μ A 3 mA | TJ=25℃ TJ=125℃ |
| Maximum Recovery Time Voltage (Per leg) | Trr | 135 ns | IF=0.5A, IR=1.0A IRR=0.25A |
| Maximum Thermal Resistance Junction To Case (Per leg) | Rθjc | 0.40°C/W | |
| Isolation Voltage | Viso | 2500 V | A.C. 1 minute |
| Mounting torque | | 5 ± 0.5Nm 3 ± 0.5Nm | |

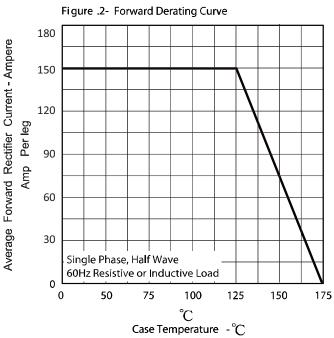


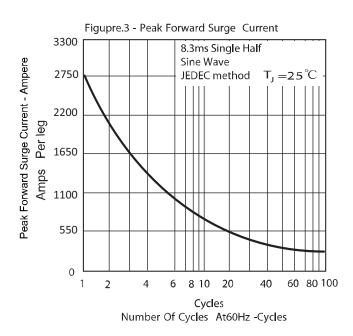


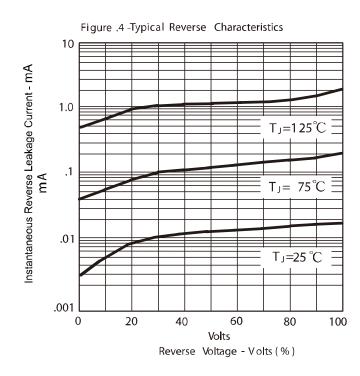
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Pulse Test: Pulse Width 300 μ sec, Duty<2%









MURTTA300120(A)(R)

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