

MURIDA300120

SUPER FAST DIODE MODULE TYPE 300A / 1200V

Features

High Surge Capability
Type 1200V V_{RRM}
Isolation Type Package
Electrically Isolation base plate

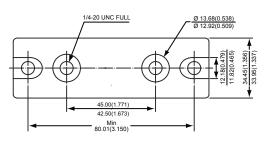


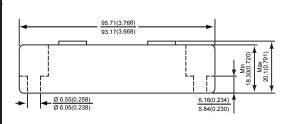
Maximum Ratings

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
MURIDA300120	1200V	840V	1200V

Dimensions in mm (1 mm = 0.0394")





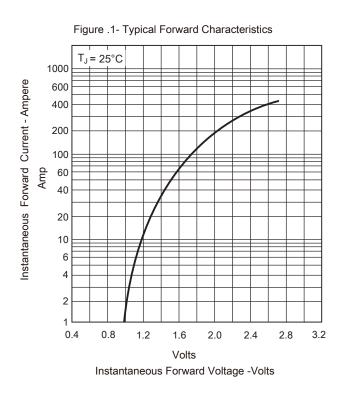
Electrical Characteristics @ 25 $^{\circ}$ C Unless Otherwise Specified

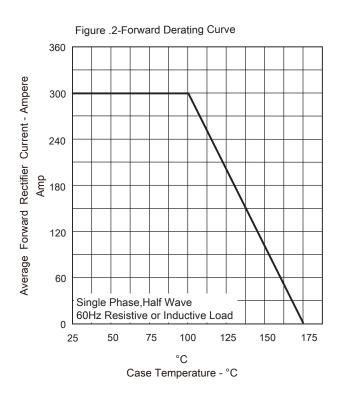
Average Forward Current (Per pkg)	lf(AV)	300A	Tc = 100°C
Peak Forward Surge Current	İFSM	4400A	8.3ms , half sine
Maximum Instantaneous Forward Voltage *	VF	2.35V	IFM=300A; TJ = 25°C
Maximum Instantaneous Reverse Current At Rated DC Blockig Voltage*	lR	30 μA 5 mA	T _J = 25°C T _J = 125°C
Maximum Reverse Recovery Time	Trr	230ns	IF = 0.5A, IR=1.0A, IRR=0.25A
Isolation Voltage	Visol	3000 V	A.C. 1minute
Maximum Thermal Resistance Junction To Case	Røjc	0.28°C/W	

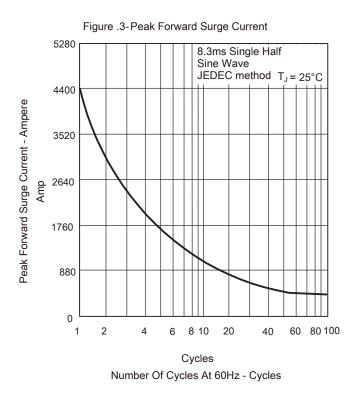


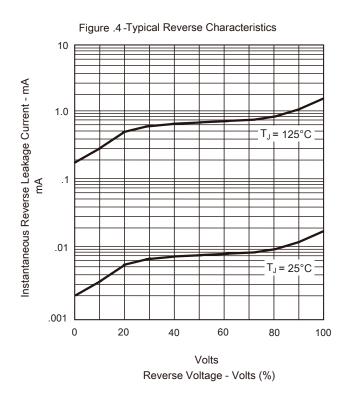
^{*}Pulse Test: Pulse Width 300 µsec, Duty Cycle 2%

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