

MURIDA300A60

SUPER FAST DIODE MODULE TYPE 300A / 600V

Features

High Surge Capability Type 600V V_{RRM} Isolation Type Package Electrically Isolation base plate

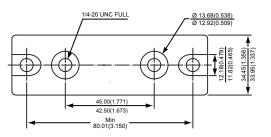
Maximum Ratings

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
MURIDA300A60	600V	420V	600V



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	Ifsm	4400A	8.3ms , half sine
Maximum Instantaneous Forward Voltage *	Vf	1.35V	Iгм=300А; Тј = 25°С
Maximum Instantaneous Reverse Current At Rated DC Blockig Voltage*	lr	30 μA 5 mA	TJ = 25°C TJ = 125°C
Maximum Reverse Recovery Time	Trr	200ns	IF = 0.5A, IR=1.0A, IRR=0.25A
Isolation Voltage	Visol	3000 V	A.C. 1minute
Maximum Thermal Resistance Junction To Case	R₀jc	0.28°C/W	



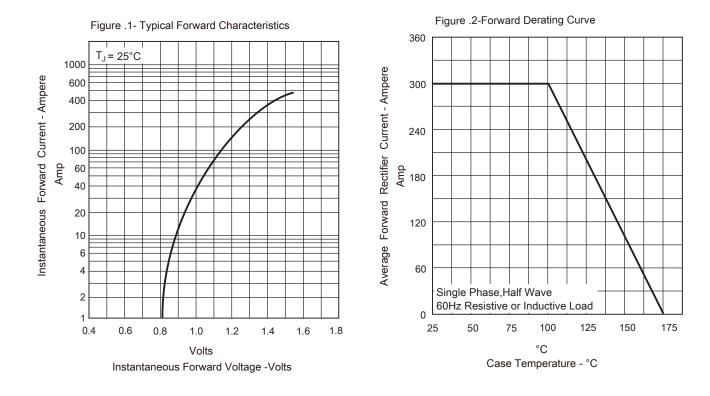
95.71(3.768)



*Pulse Test: Pulse Width 300 μ sec, Duty Cycle 2%



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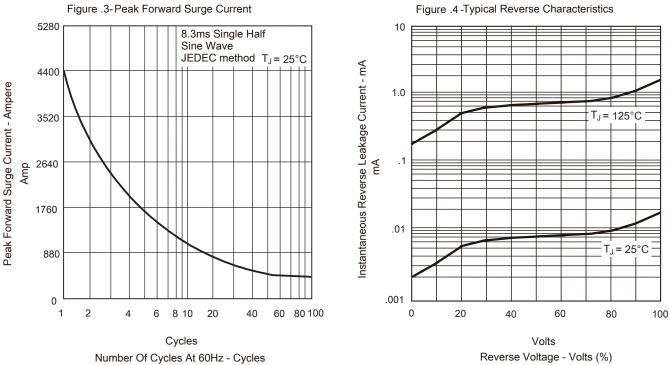


Figure .4-Typical Reverse C



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