MURTT30040(A)(R)

SUPER FAST DIODE MODULE TYPE 300A

Features

High Surge Capability
Type 400V V_{RRM}
Isolation Type Package
Electrically Isolation base plate

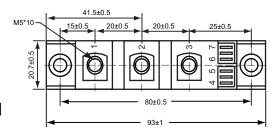
Maximum Ratings

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

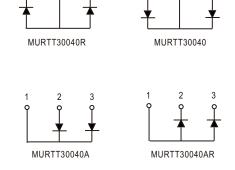
Part Number	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
MURTT30040(A)(R)	400V	280V	400V

TO-240AA

Dimensions in mm (1 mm = 0.0394")



NAME PLATE



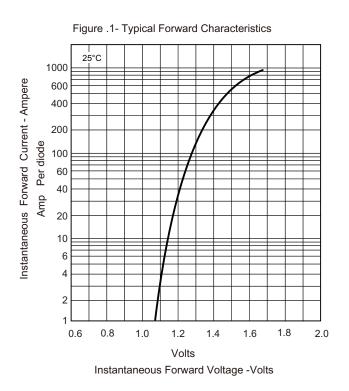
Electrical Characteristics @ 25 $^{\circ}$ C Unless Otherwise Specified

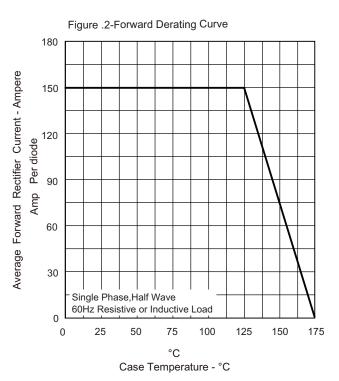
Average Forward Current (Per pkg)	I F(AV)	300A	Tc = 125°C
Peak Forward Surge Current (Per diode)	İFSM	2750A	8.3ms , half sine
Maximum (Per diode) Instantaneous Forward Voltage *	VF	1.3V	Iгм=150A;ТJ = 25°С
Maximum Instantaneous Reverse Current At Rated DC Blockig Voltage* (Per diode)	lr	25µA 3mA	T _J = 25°C T _J = 125°C
Maximum Reverse Recovery Tlme (Per diode)	Trr	100ns	IF = 0.5A,IR = 1.0A IRR = 0.25A
Isolation Voltage	Viso	2500V	A.C. 1 minute
Maximum Thermal Resistance Junction To Case (Per diode)	Røj c	0.40°C/W	
Mounting torque		4 ± 0.5Nm 3 ± 0.5Nm	

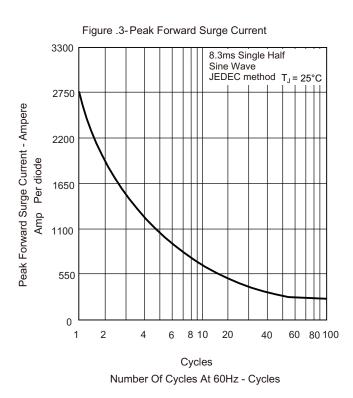
^{*}Pulse Test: Pulse Width 300 μ sec, Duty Cycle < 2%

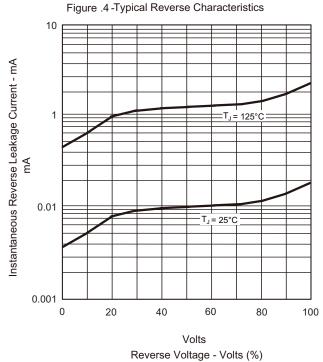


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