



**SUPER FAST DIODE MODULE TYPES
200A / 200-600V**

Features

- High Surge Capability
- Types up to 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
MURIDA20020	200V	140V	200V
MURIDA20040	400V	280V	400V
MURIDA200A60	600V	420V	600V

Electrical Characteristics @ 25 °C Unless Otherwise Specified

Average Forward Current (Per pkg)	$I_{F(AV)}$	200A	$T_C = 100^\circ C$
Peak Forward Surge Current	I_{FSM}	3300A	8.3ms , half sine
Maximum Instantaneous Forward Voltage * 200V 400V 600V	V_F	1.00V 1.30V 1.45V	$I_{FM}=200A;$ $T_J = 25^\circ C$
Maximum Instantaneous Reverse Current At Rated DC Blockig Voltage*	I_R	25 μA 5 mA	$T_J = 25^\circ C$ $T_J = 125^\circ C$
Maximum Reverse Recovery Time 200V 400V 600V	T_{rr}	150ns 180ns 200ns	$I_F = 0.5A, I_R=1.0A,$ $I_{RR}=0.25A$
Isolation Voltage	V_{isol}	3000 V	A.C. 1minute
Maximum Thermal Resistance Junction To Case	$R_{\theta jc}$	0.35°C/W	

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

Dimensions in mm (1 mm = 0.0394")

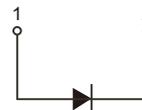
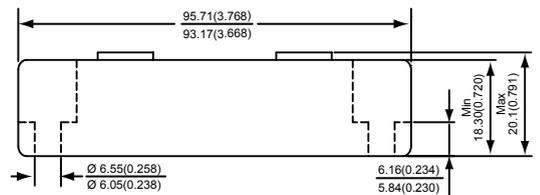
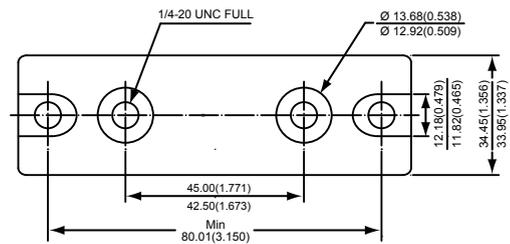




Figure .1- Typical Forward Characteristics

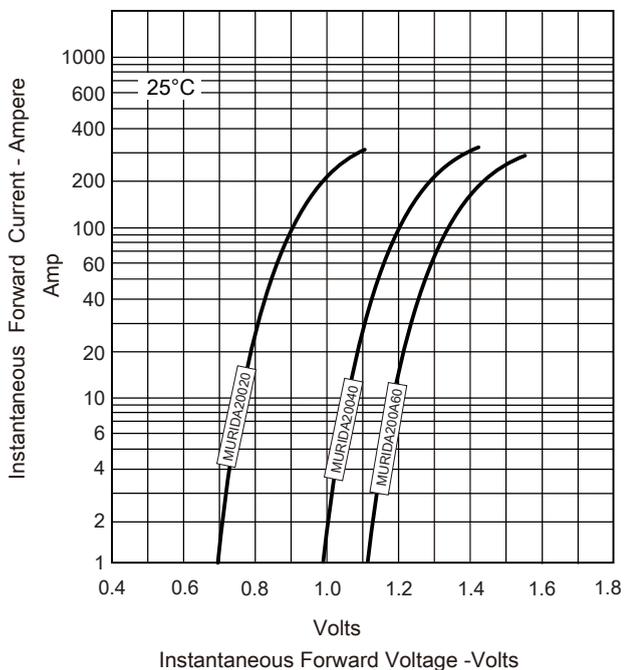


Figure .2-Forward Derating Curve

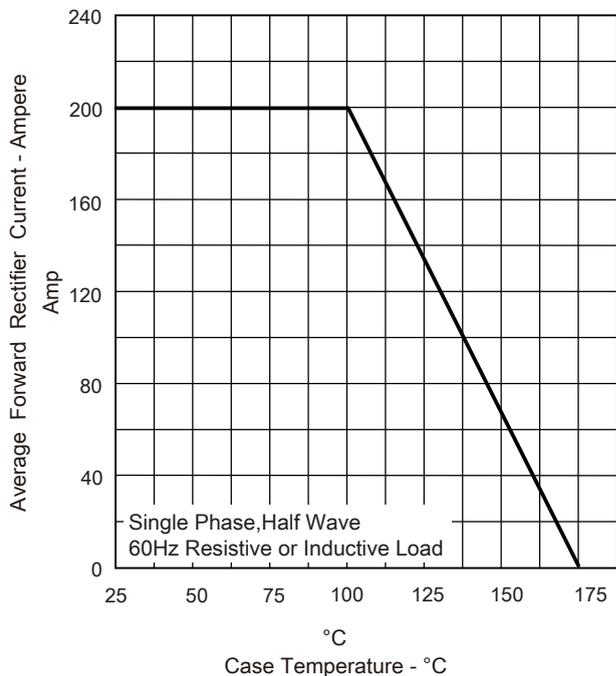


Figure .3- Peak Forward Surge Current

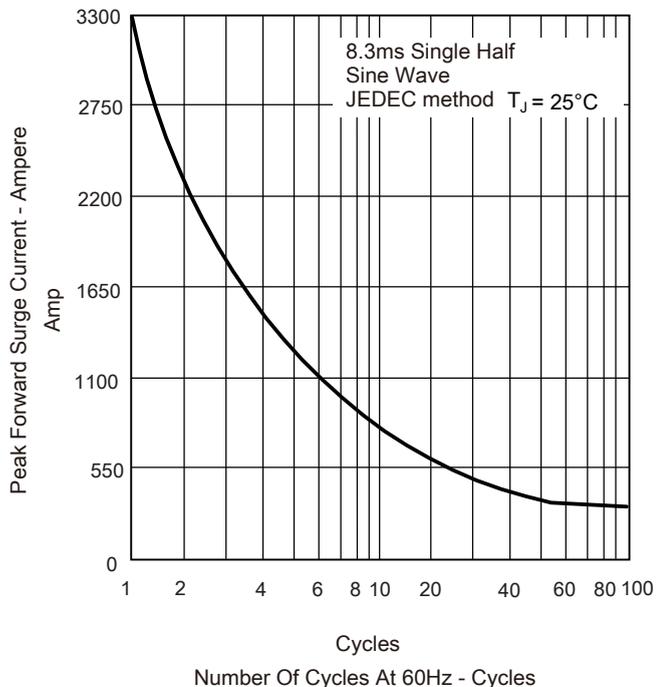
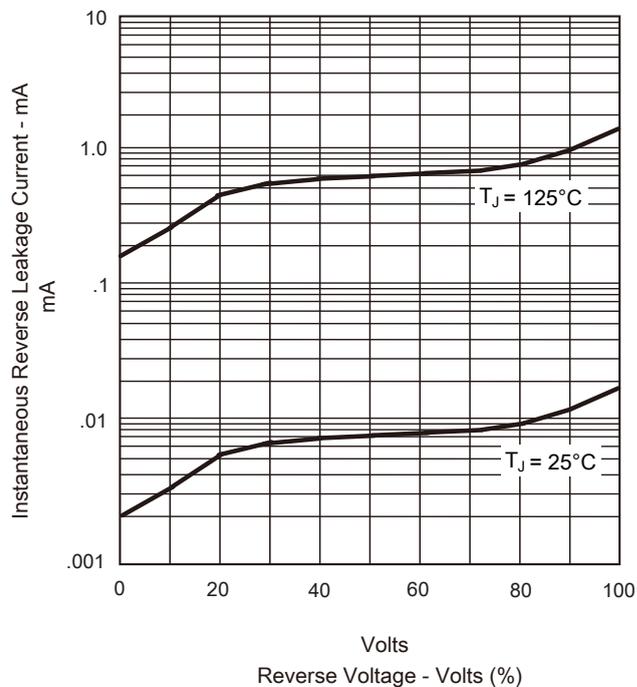


Figure .4 -Typical Reverse Characteristics





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