



SUPER FAST DIODE MODULE TYPE 400A

Features

High Surge Capability
Type 400V V_{RRM}



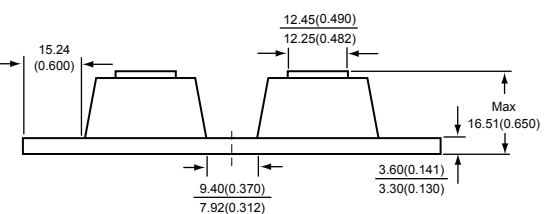
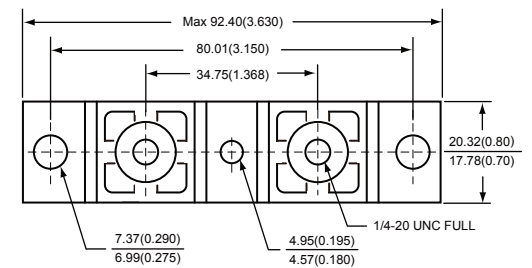
TWIN TOWER

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
MUR400A40CT(R)	400V	280V	400V

Dimensions in mm (1 mm = 0.0394")



Electrical Characteristics @ 25°C Unless Otherwise Specified

Average Forward Current (Per pkg)	$I_{F(AV)}$	400A	$T_C=125^\circ C$
Peak Forward Surge Current (Per leg)	I_{FSM}	3300A	8.3ms, half sine
Maximum Instantaneous Forward Voltage (Per leg) NOTE (1)	V_F	1.30V	$I_{FM}=200A; T_J=25^\circ C$
Maximum Instantaneous Reverse Current At Rated DC Blocking Voltage (Per leg)	I_R	25 μA 3 mA	$T_J = 25^\circ C$ $T_J = 125^\circ C$
Maximum Reverse Recovery Time	T_{rr}	170ns	$I_F = 0.5A, I_R = 1.0A,$ $I_{RR} = 0.25A$
Maximum Thermal Resistance Junction To Case (Per leg)	$R_{\theta jc}$	0.35°C/W	

NOTE :

(1) Pulse Test: Pulse Width 300 μ sec. Duty Cycle 2%

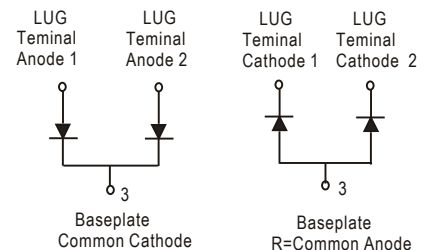




Figure.1 - Typical Forward Characteristics

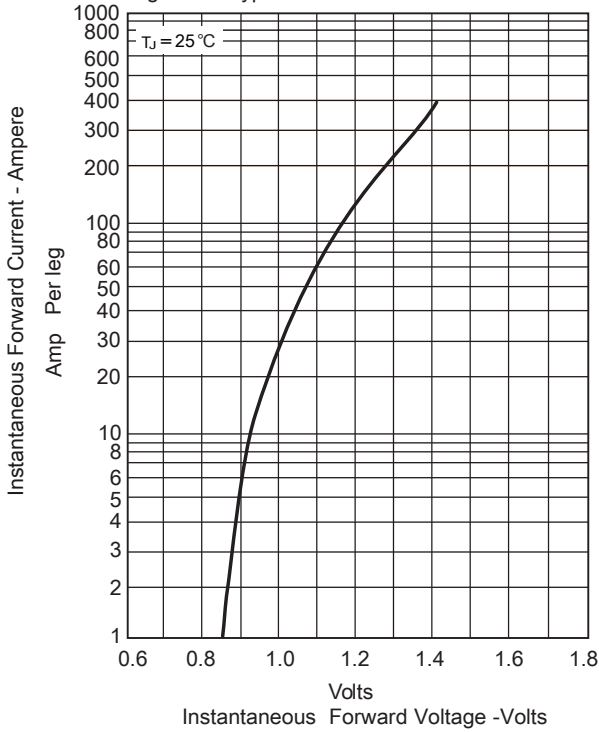


Figure.2 - Forward Derating Curve

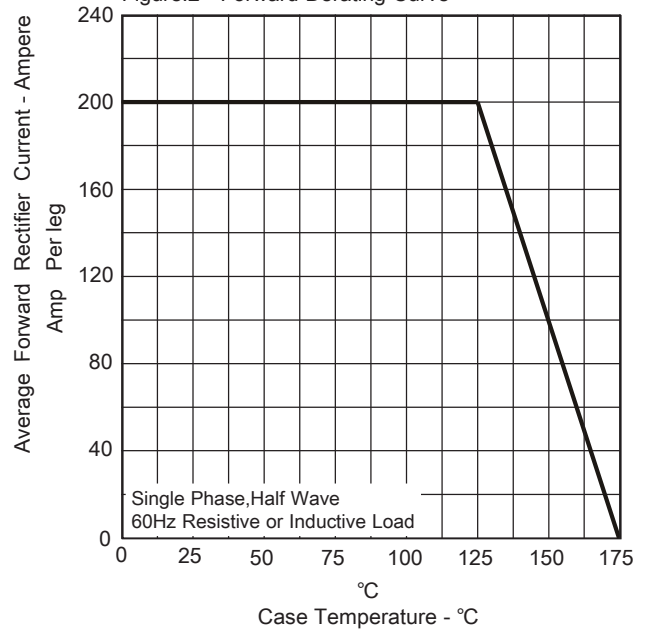


Figure.3 - Peak Forward Surge Current

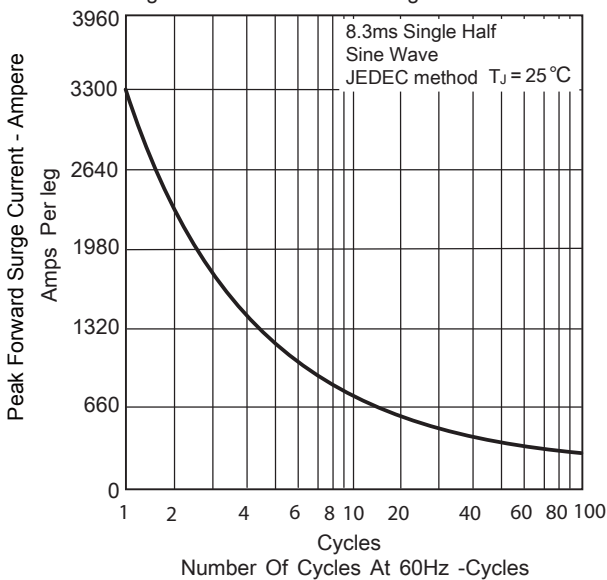


Figure.4 - Typical Reverse Characteristics

