DACO®

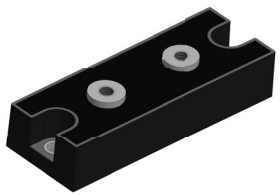
MSRIDA40080A

STANDARD RECOVERY DIODE MODULE TYPE 400A

Features

- High Surge Capability
- Type 800V V_{RRM}
- Isolation Type Package
- Electrically Isolation Base Plate

HEAVY DIODE



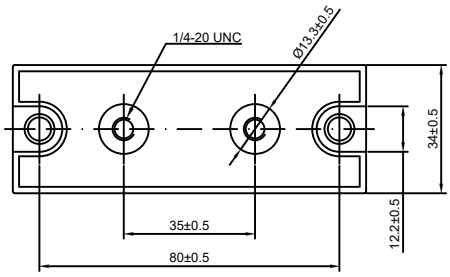
Maximum Ratings

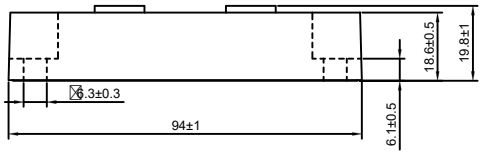
Operating Temperature : -55°C to +175°C

Storage Temperature : -55°C to +175°C

Part Number	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
MSRIDA40080A	800V	560V	800V

Dimensions in mm (1 mm = 0.0394")





Electrical Characteristics @ 25 ℃ Unless Otherwise Specified

Average Forward Current	$I_{F(AV)}$	400A	T_C = 125°C
Peak Forward Surge Current	I_{FSM}	10000A	8.3ms , half sine
Maximum Instantaneous Forward Voltage * Terminal / Chip	V_F	1.05V 1.00V	I_{FM}= 400A; T_J = 25°C
Maximum Instantaneous Reverse Current At Rated DC Blocking Voltage*	I_R	30 μA 10 mA	T_J = 25°C T_J = 150°C
Isolation Voltage (between All Terminals and Baseplate)	V_{isol}	3000V	A.C. 1minute
Maximum Thermal Resistance Junction To Case	$R_{\theta jc}$	0.05°C/W	

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

Figure .1- Typical Forward Characteristics

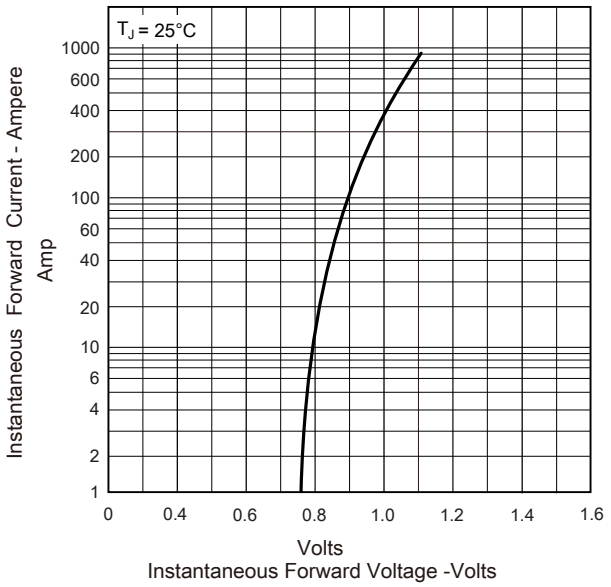


Figure .2-Forward Derating Curve

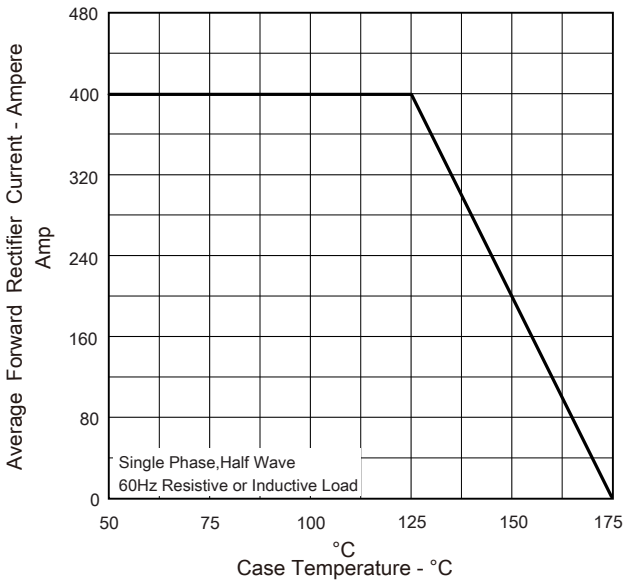


Figure .3- Peak Forward Surge Current

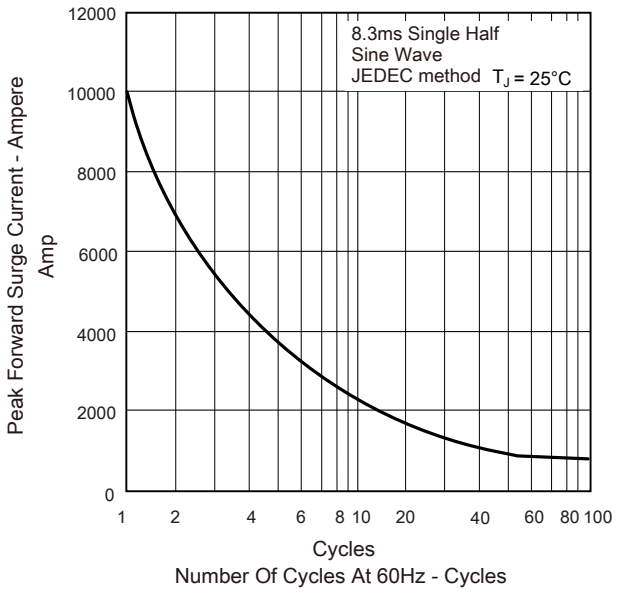
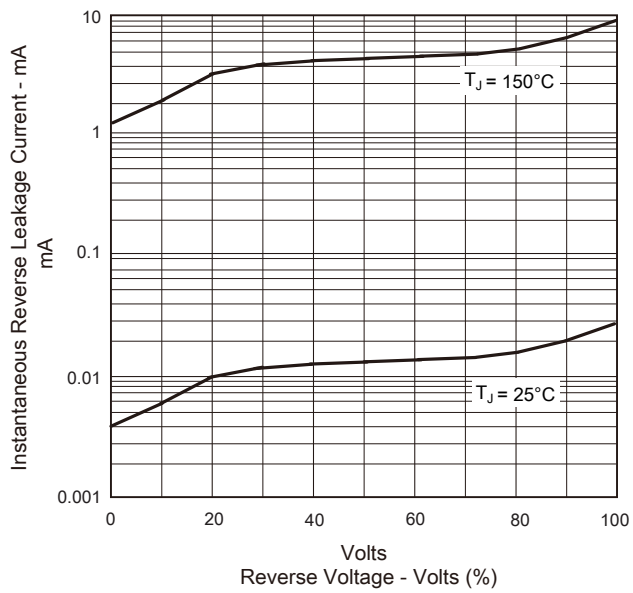


Figure .4 -Typical Reverse Characteristics



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