DACO

MBRTA60040(R)L

LOW VF SCHOTTKY DIODE MODULE TYPE 600A / 40V

HEAVY THREE TOWER

Features

- High Surge Capability
- Type 40V V_{RRM}
- Isolation Type Package
- Electrically Isolation Base Plate

Maximum Ratings

Junction Operating Temperature : -40℃ to +100℃

Storage Temperature : -40℃ to +150℃

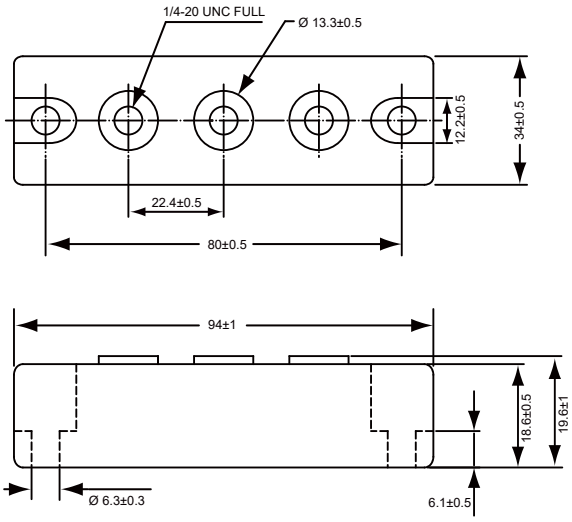
Part Number	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
MBRTA60040(R)L	40V	28V	40V

Electrical Characteristics @ 25 ℃ Unless Otherwise Specified

Average Forward Current (Per pkg) (Per diode)	$I_{F(AV)}$	600A 300A	T_C = 100°C
Peak Forward Surge Current (Per diode)	I_{FSM}	4000A	8.3ms , half sine
Maximum Instantaneous Forward Voltage * (Per diode)	V_F	0.6V	I_{FM}=300A; T_J = 25°C
Maximum Instantaneous Reverse Current At Rated DC Blockig Voltage* (Per diode)	I_R	5mA 350mA	T_J = 25°C T_J = 100°C
Isolation Voltage	V_{iso}	3000V	A.C. 1 minute
Maximum Thermal Resistance Junction To Case (Per diode)	$R_{\theta jc}$	0.28°C/W	

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

Dimensions in mm (1 mm = 0.0394")



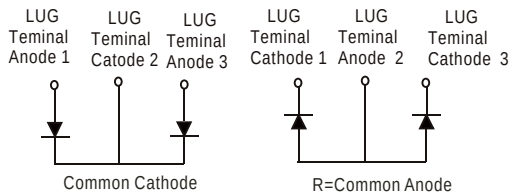
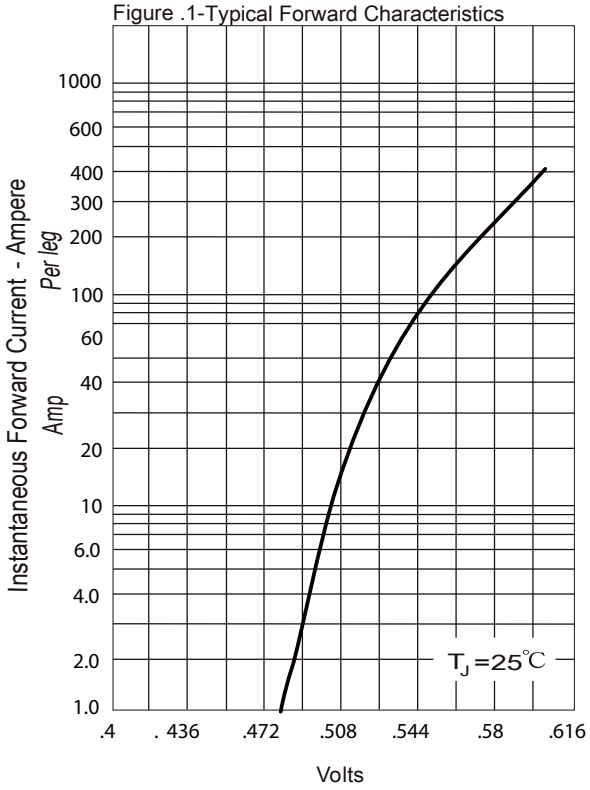
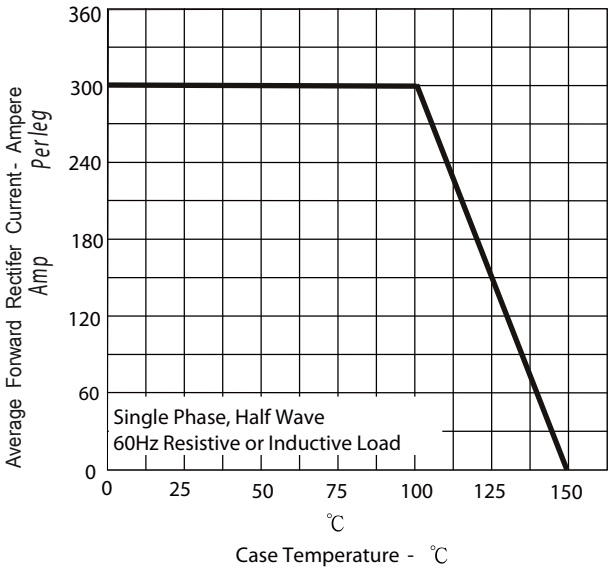


Figure .1-Typical Forward Characteristics



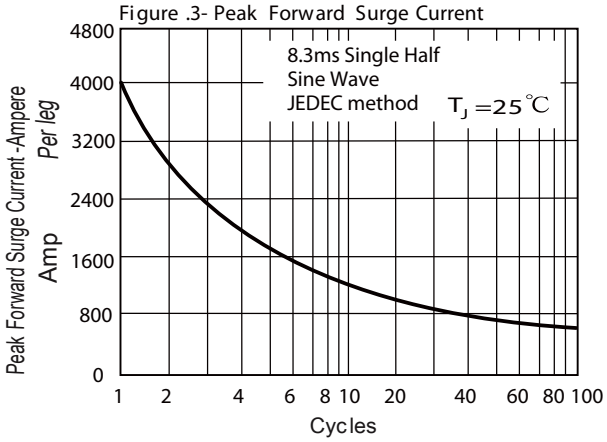
Instantaneous Forward Voltage - Volts

Figure .2- Forward Derating Curve



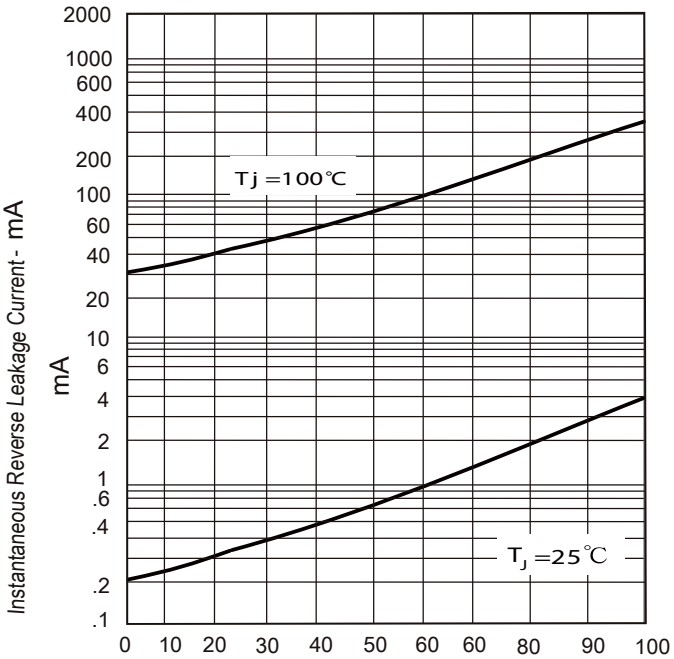
Case Temperature - ℃

Figure .3- Peak Forward Surge Current



Number Of Cycles At 60Hz - Cycles

Figure .4-Typical Reverse Characteristics



Reverse Voltage - Volts(%)

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