DACO SEMICONDUCTOR CO., LTD.

MBRH20030(R)L

LOW VF SCHOTTKY DIODE MODULE TYPE 200A / 30V

HALF PACKAGE (D-67)

Features

High Surge Capability

Type 30V V_{RRM}

Maximum Ratings

Junction Operating Temperature : -40°C to +100°C

Storage Temperature : -40°C to +150°C

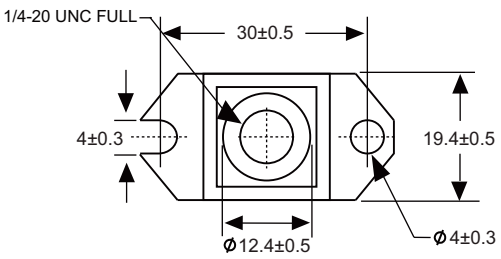
Part Number	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
MBRH20030(R)L	30V	21V	30V

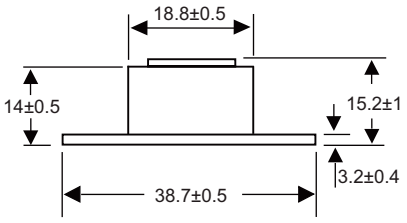
Electrical Characteristics @ 25 ℃ Unless Otherwise Specified

Average Forward Current	$I_{F(AV)}$	200A	T_C =100°C
Peak Forward Surge Current	I_{FSM}	3000A	8.3ms , half sine
Maximum Instantaneous Forward Voltage *	V_F	0.58V	I_{FM} =200A;T_J =25°C
Maximum Instantaneous Reverse Current At Rated DC Blockig Voltage*	I_R	3mA 150mA	T_J =25°C T_J =100°C
Maximum Thermal Resistance Junction To Case	$R_{\theta jc}$	0.35°C/W	

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

Dimensions in mm (1 mm = 0.0394")





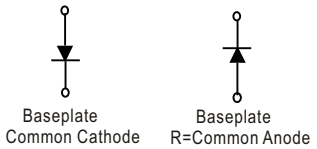


Figure .1- Typical Forward Characteristics

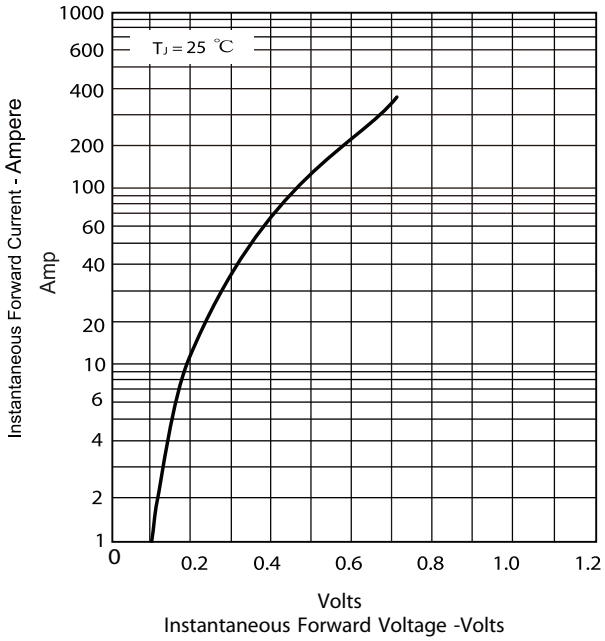
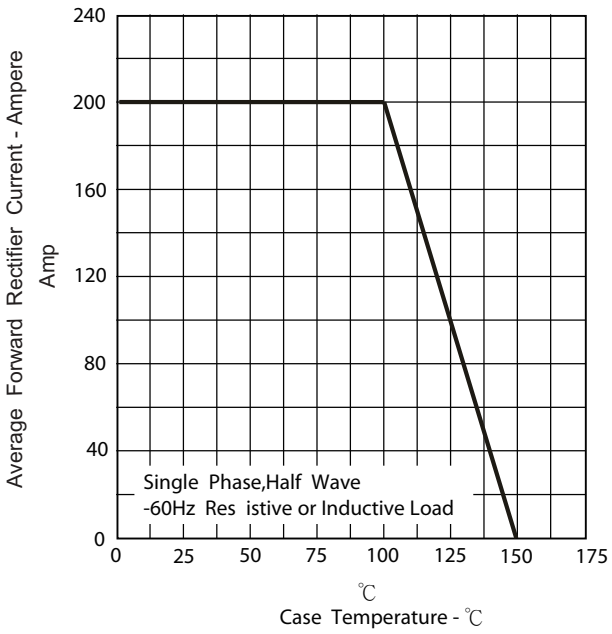


Figure.2 - Forward Derating Curve



Figupre.3 - Peak Forward Surge Current

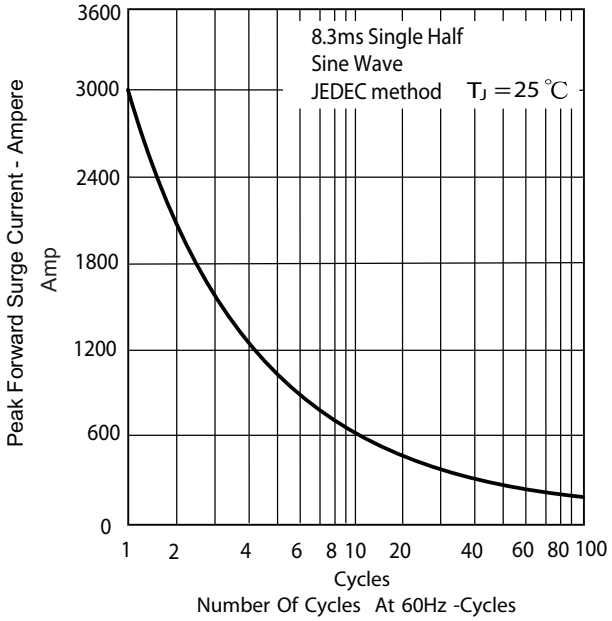
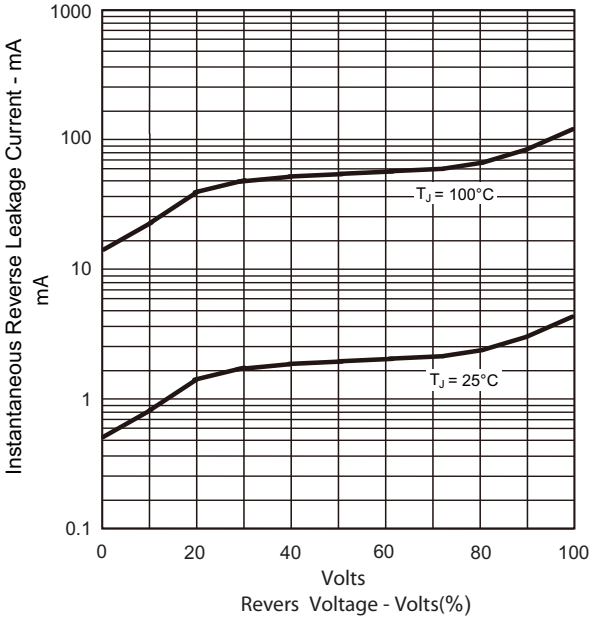


Figure.4 - Typical Reverse Characteristics



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