## LOW VF SCHOTTKY DIODE MODULE TYPE

### **Features**

**High Surge Capability** 

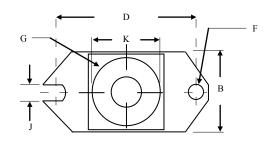
200 Amp Rectifier 35 Volts

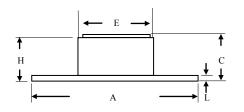
### **Maximum Ratings**

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
MBRH20035(R)L	35V	25V	35V

#### HALF PACKAGE









Baseplate R=Common Anode Common Cathode

Peak Forward Surge Current	Iғsм	3000A	8.3ms, half sine
Maximum Instantaneous Forward Voltage	V <sub>F</sub>	0.60V	<sup>I</sup> FM=200 A;TJ=25°C
Maximum Instantaneous Reverse Current At Rated DC Blocking Voltage	I <sub>R</sub>	3 mA 200 mA	TJ= 25 °C TJ=100 °C

Electrical Characteristics @ 25  $^{\circ}$  Unless Otherwise Specified

F(AV)

200A

0.35°C/W

TC=100°C

To Case

Maximum Thermal

**Resistance Junction** 

Average Forward

Current

 $(1) \, \text{Pulse Test: Pulse Width 300 usec, Duty Cycle} \, < \, 2\%$ 

Rojc

DIM	Inches		Millimeters	
	Min	Max	Min	Max
A	1.515	1.560	38.48	39.62
В	0.725	0.775	18.42	19.69
С	0.595	0.625	15.11	15.88
D	1.182	1.192	30.02	30.28
Е	0.736	0.744	18.70	18.90
F	0.152	0.160	3.86	4.061
G		1/4–20 U	INC	
Н	0.540	0.580	13.72	14.73
J	0.156	0.160	3.96	4.06
K	0.480	0.492	12.20	12.50
L	0.120	0.130	3.05	3.30

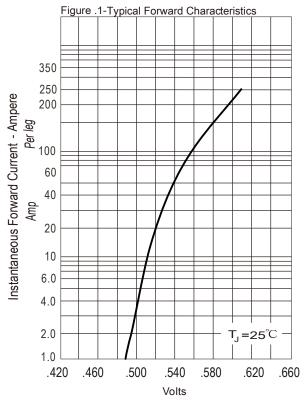
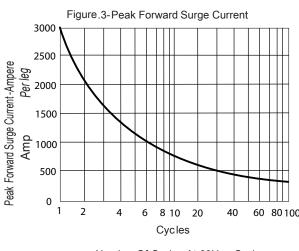
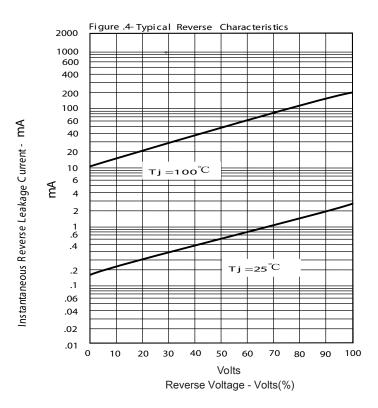


Figure .2- Forward Derating Curve 280 240 200 Average Forward Rectifer Current- Ampere 160 120 80 Single Phase, Half Wave 60Hz Resistive or Inductive Load 75 25 100 125 150 Case Temperature -  $\,^{\circ}$ C

Instantaneous Forward Voltage - Volts



Number Of Cycles At 60Hz - Cycles



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# MBRH20035(R)L

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