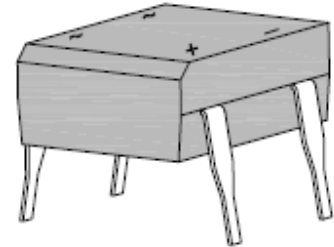


**1.5A Glass Passivated Bridge Rectifier**

**Features**

- Glass passivated chip junction
- Low leakage
- High surge current capability
- Ideal for printed circuit boards
- High temperature soldering guaranteed: 260°C/10 seconds  
0.375" (9.5mm) lead length at 5lbs.(2.3kg) tension
- RoHS compliant



DF



**Mechanical Data**

<b>Case:</b>	DF, Molded plastic body over passivated junction
<b>Epoxy:</b>	Plastic package has UL flammability classification 94V-0
<b>Terminals:</b>	Plated leads solderable per MIL-STD-202, Method 208
<b>Polarity:</b>	As marked on case
<b>Weight:</b>	0.014 ounce, 0.4 gram

**Maximum Ratings And Electrical Characteristics (T<sub>amb</sub>=25°C)**

Symbols	Parameter	DB 151G	DB 152G	DB 153G	DB 154G	DB 155G	DB 156G	DB 157G	Unit	Conditions
<b>VRRM</b>	Maximum Repetitive Peak Reverse Voltage	50	100	200	400	600	800	1000	V	
<b>VRMS</b>	Maximum RMS Voltage	35	70	140	280	420	560	700	V	
<b>VDC</b>	Maximum DC Blocking Voltage	50	100	200	400	600	800	1000	V	
<b>IF(AV)</b>	Maximum Average Forward Rectified Current	1.5							A	TA=40° C
<b>IFSM</b>	Peak Forward Surge Current	50							A	8.3ms Single Sine-wave Superimposed on Rated Load (JEDEC Method)
<b>I<sup>2</sup>t</b>	Rating for Fusing (t<8.3ms)	10							A <sup>2</sup> sec	

# 1.5A Glass Passivated Bridge Rectifier

## DB151G - DB157G

Symbols	Parameter	DB 151G	DB 152G	DB 153G	DB 154G	DB 155G	DB 156G	DB 157G	Unit	Conditions
<b>V<sub>F</sub></b>	Maximum Instantaneous Forward Voltage Drop per leg	1.1							V	I <sub>F</sub> =1.5A
<b>I<sub>R</sub></b>	Maximum DC Reverse Current at Rated DC Blocking Voltage per leg	5.0							μA	T <sub>J</sub> =25°C
		500								T <sub>J</sub> =125°C
<b>C<sub>J</sub></b>	Typical Junction Capacitance per leg	25							pF	V <sub>R</sub> =4V, f=1MHz
<b>R<sub>θJA</sub></b>	Typical Thermal Resistance per leg	40							°C/W	Note 1
<b>R<sub>θJL</sub></b>		15								
<b>T<sub>J</sub>, T<sub>STG</sub></b>	Operating Junction and Storage Temperature Range	-55 to +150							°C	

Note: 1. Thermal resistance from junction to ambient and from junction to lead mounted on P.C.B. with 0.5 x 0.5" (13 x13mm) copper pads.

### Rating and Characteristic Curves

Fig.1- Derating Curve Output Rectified Current

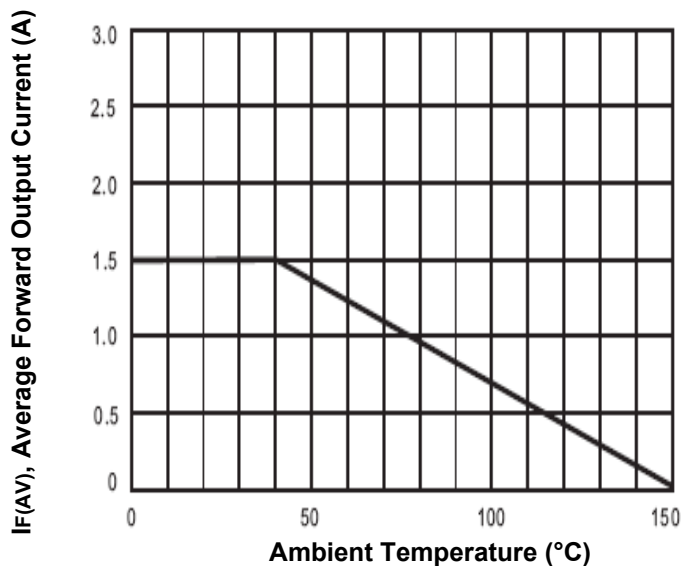
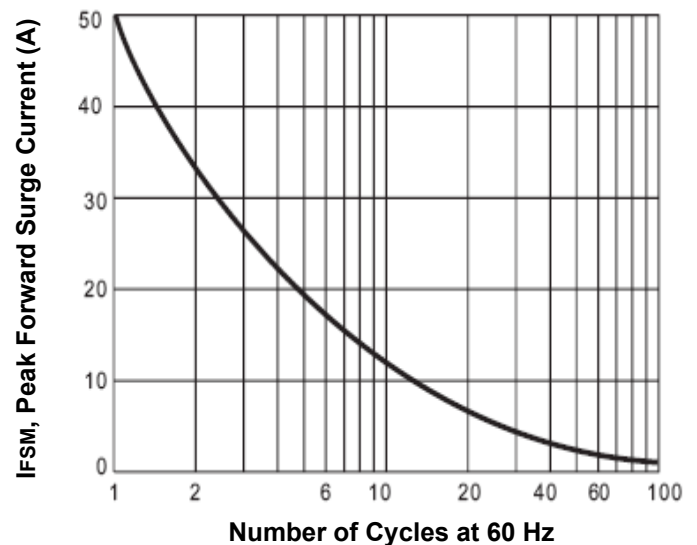


Fig.2-Maximum Non-Repetitive Peak Forward Surge Current per leg



# 1.5A Glass Passivated Bridge Rectifier

## DB151G - DB157G

Fig.3-Typical Forward Characteristics per leg

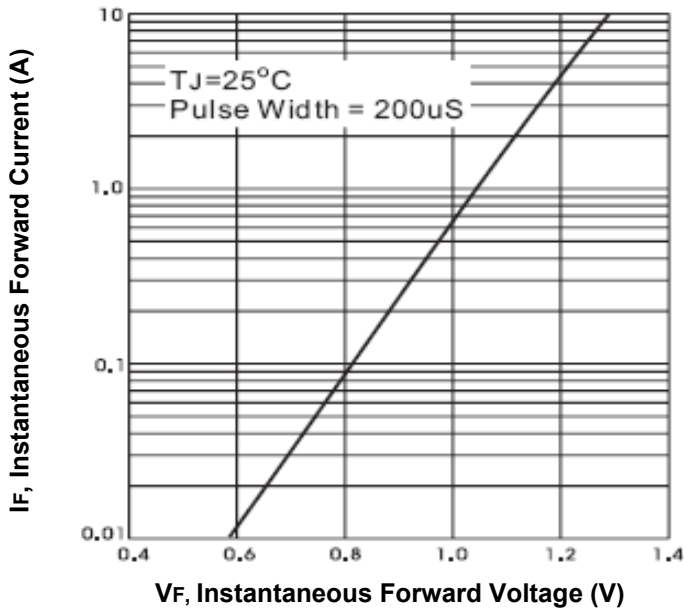
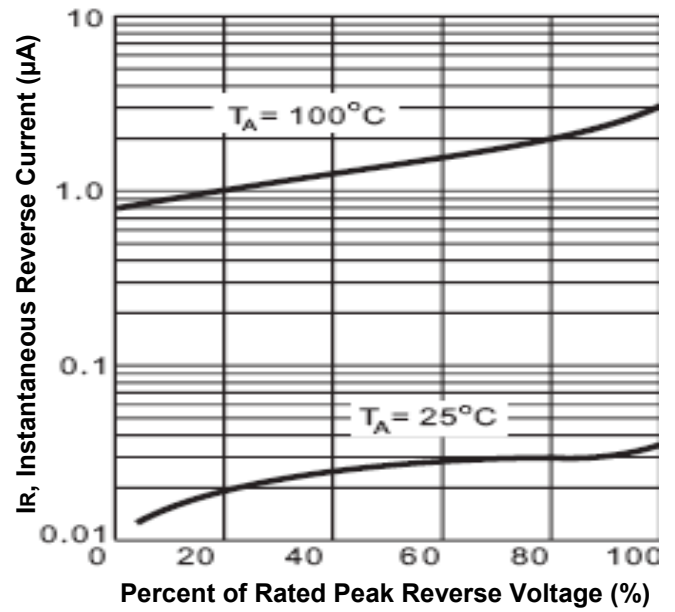


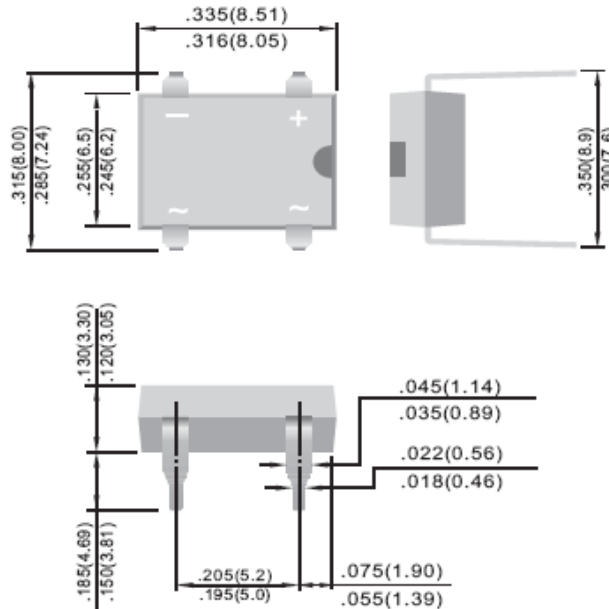
Fig.4-Typical Reverse Leakage Characteristics per leg



# 1.5A Glass Passivated Bridge Rectifier

## DB151G - DB157G

### Dimensions in inch (mm)



DF

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