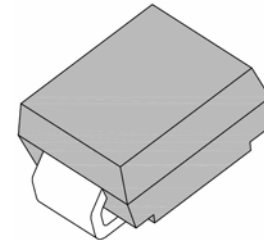


**2.0A Surface Mount Sintered Glass Passivated Rectifier**

**Features**

- Sintered glass passivated (SGP) rectifier chip
- Glass passivated cavity-free junction
- Plastic package has underwriters laboratory flammability classification 94V-0
- High temperature soldering: 260 °C / 10 seconds at terminals
- RoHS compliant



**SMB  
(DO-214AA)**



**Mechanical Data**

<b>Case:</b>	JEDEC DO-214AA molded plastic
<b>Terminals:</b>	Solder plated solderable per MIL-STD-750, Method 2026
<b>Polarity:</b>	Cathode end indicated by color band
<b>Weight:</b>	0.003 Ounce, 0.093 gram

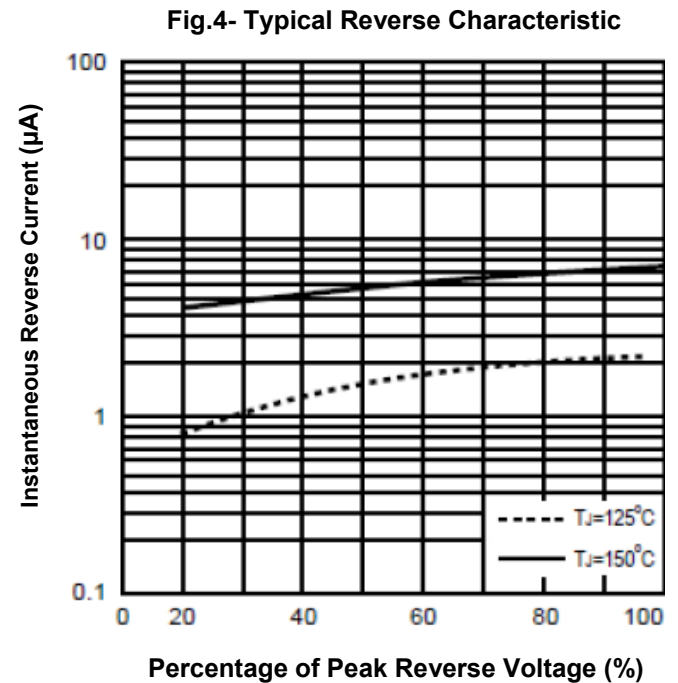
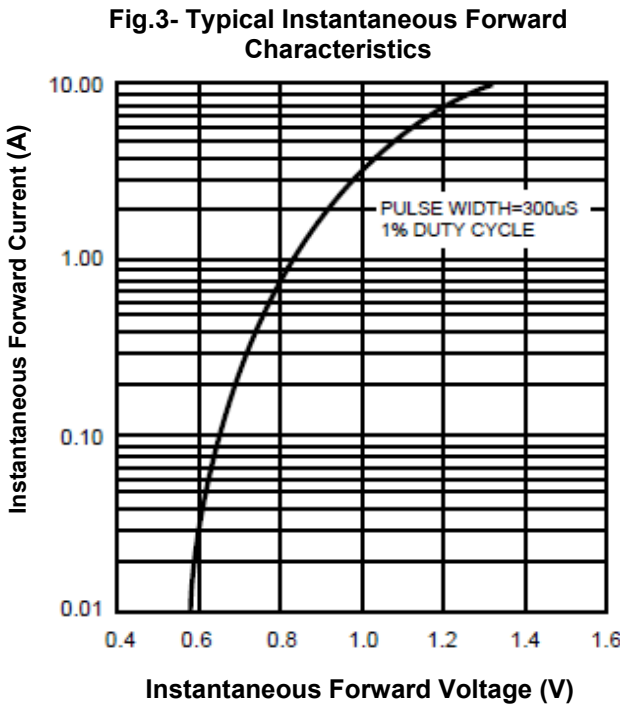
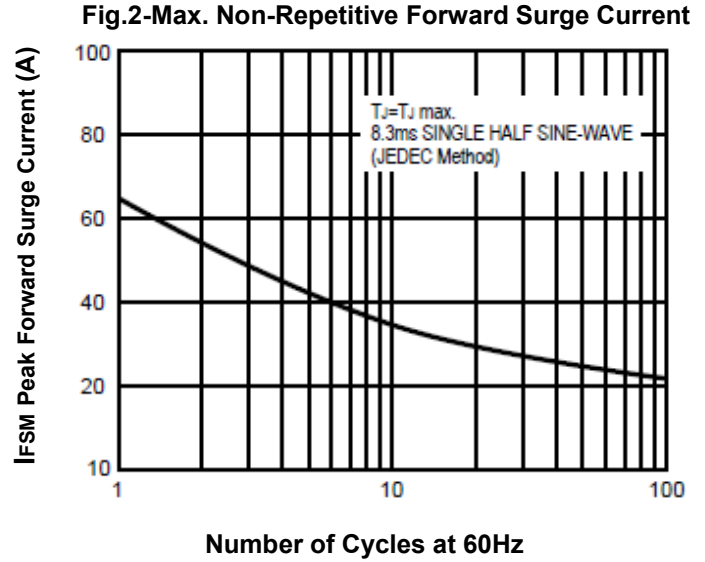
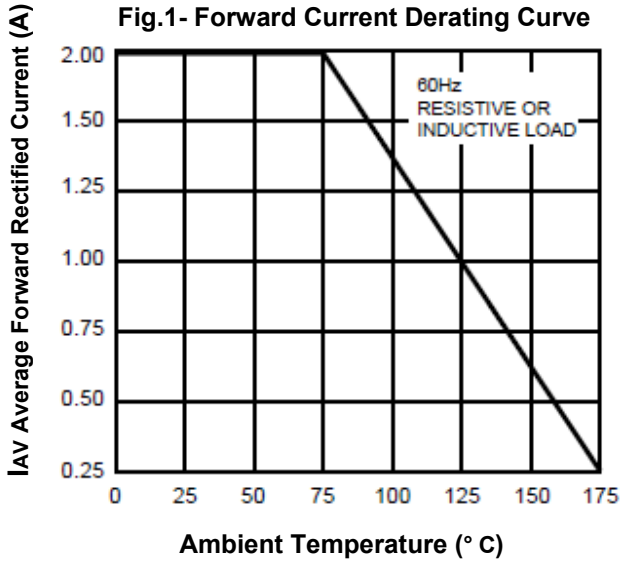
**Maximum Ratings & Electrical Characteristics** ( $T_{Ambient}=25^{\circ}C$  unless noted)

Symbol	Description	GF2A	GF2B	GF2D	GF2G	GF2J	GF2K	GF2M	Unit	Conditions
<b>V<sub>RRM</sub></b>	Max. Recurrent Peak Reverse Voltage	50	100	200	400	600	800	1000	V	
<b>V<sub>RMS</sub></b>	Max. RMS Voltage	35	70	140	280	420	560	700	V	
<b>V<sub>DC</sub></b>	Max. DC Blocking Voltage	50	100	200	400	600	800	1000	V	
<b>I<sub>F(AV)</sub></b>	Max. Average Rectified Current	2.0							A	
<b>I<sub>FSM</sub></b>	Peak Forward Surge Current	65							A	
<b>V<sub>F</sub></b>	Max. Instantaneous Forward Voltage	1.0							V	I <sub>F</sub> =2.0A
<b>I<sub>R</sub></b>	Max. DC Reverse Current at Rated DC Blocking Voltage	5							μA	TA=25 °C
		30								TA=125 °C
		80								TA=150 °C
<b>C<sub>J</sub></b>	Typical Junction Capacitance	25							pF	
<b>R<sub>θ-JA</sub></b>	Max. Thermal Resistance	53							° C/W	
<b>R<sub>θ-JL</sub></b>		10								
<b>T<sub>J</sub>, T<sub>STG</sub></b>	Operating Junction and Storage Temperature Range	-65 to 175							° C	

# 2.0A Surface Mount Sintered Glass Passivated Rectifier

GF2A - GF2M

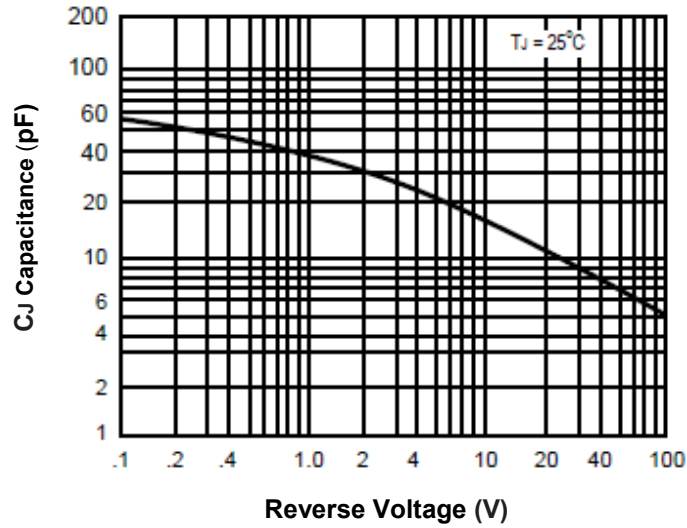
## Typical Characteristics Curves



# 2.0A Surface Mount Sintered Glass Passivated Rectifier

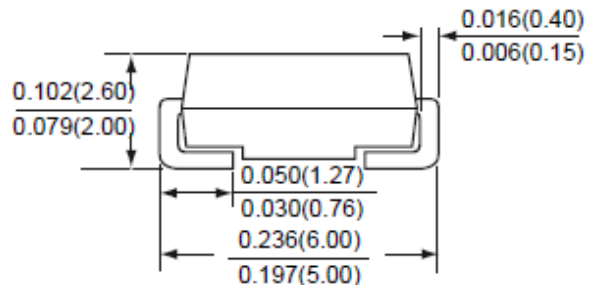
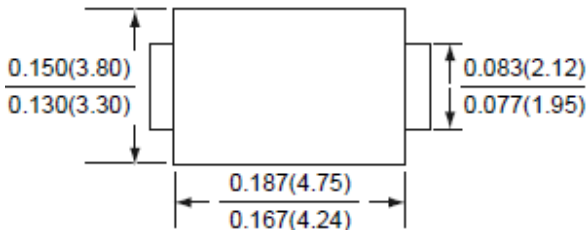
GF2A - GF2M

Fig.5- Junction Capacitance



## Dimensions in inch (mm)

### DO-214AA (SMB)



## 2.0A Surface Mount Sintered Glass Passivated Rectifier

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GF2A - GF2M

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