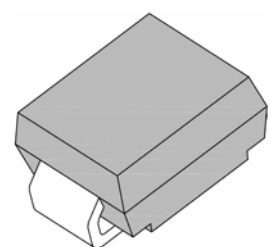


2.0A Surface Mount Sintered Glass Passivated Rectifier

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

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

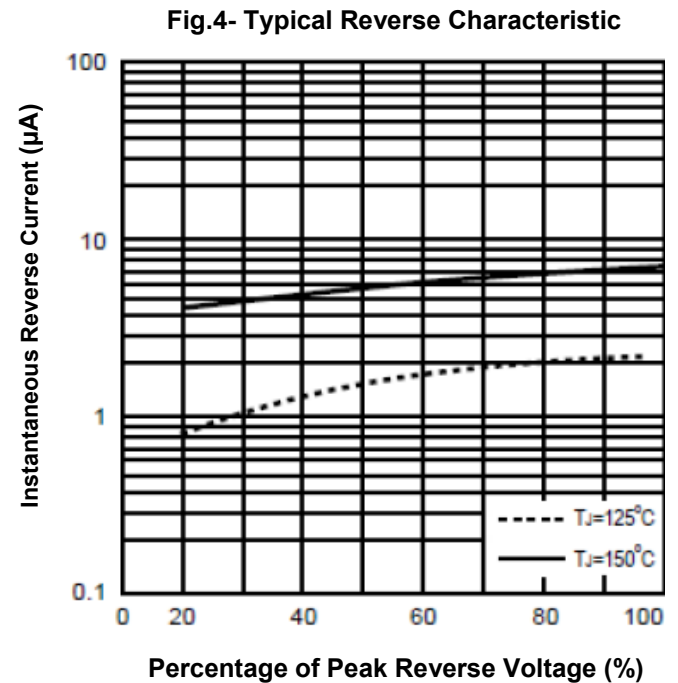
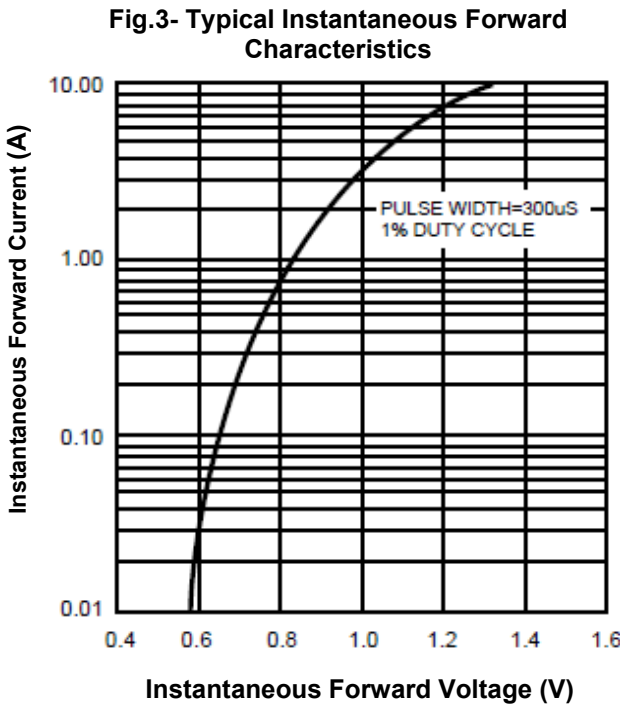
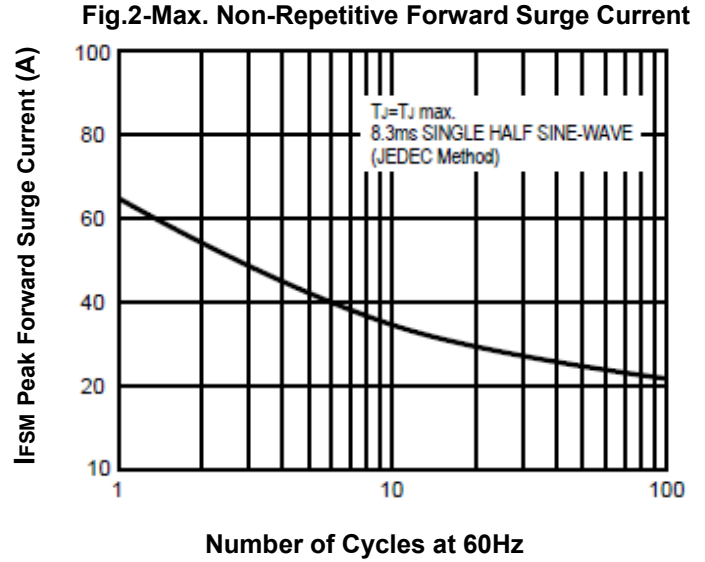
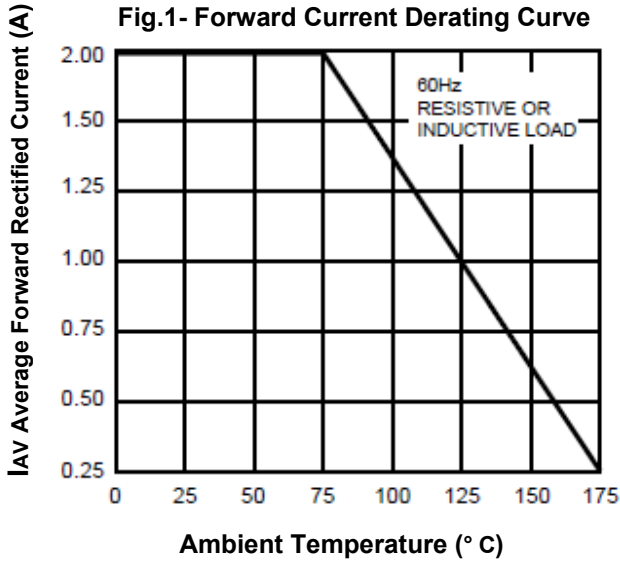
Maximum Ratings & Electrical Characteristics ($T_{Ambient}=25^{\circ}C$ unless noted)

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

2.0A Surface Mount Sintered Glass Passivated Rectifier

GF2A - GF2M

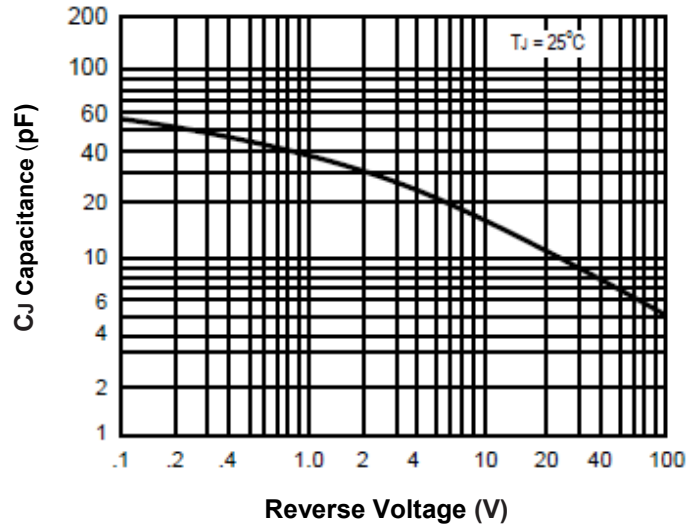
Typical Characteristics Curves



2.0A Surface Mount Sintered Glass Passivated Rectifier

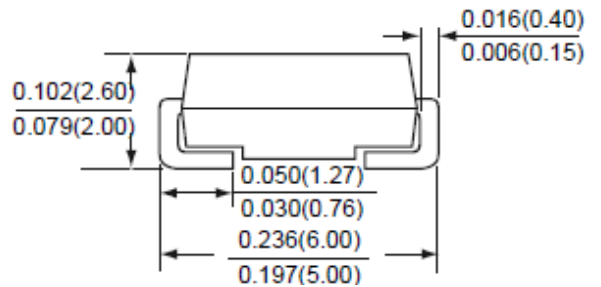
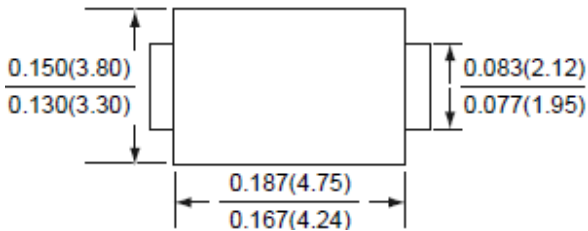
GF2A - GF2M

Fig.5- Junction Capacitance



Dimensions in inch (mm)

DO-214AA (SMB)



2.0A Surface Mount Sintered Glass Passivated Rectifier

GF2A - GF2M

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