

Cathode

Anode

- Terminals : Solderable per MIL-STD-750, Method 2026
- Approx. Weight : 0.0012 ounces, 0.034 grams

Maximum Ratings and Thermal Characteristics ($T_A = 25^{\circ}C$ unless otherwise noted)

PARAMETER	SYMBOL	GS1GAFC-AU	GS1JAFC-AU	GS1KAFC-AU	GS1MAFC-AU	UNITS
Maximum Recurrent Peak Reverse Voltage	Vrrm	400	600	800	1000	V
Maximum RMS Voltage	V _{RMS}	280	420	560	700	V
Maximum DC Blocking Voltage	VR	400	600	800	1000	V
Maximum Average Forward Rectified Current	IF(AV)	1			A	
Peak Forward Surge Current : 8.3 ms Single Half Sine-Wave Superimposed On Rated Load	IFSM	30				А
Forward Voltage at 1A	VF	1.1			V	
Reverse Current	IR	1			uA	
Typical Junction Capacitance Measured at 1 MHz And Applied $V_R = 4V$	CJ	7				pF
Typical Thermal Resistance (Note 1) (Note 2)	R _{θJL} R _{θJA}	20 150			°C/W	
Operating Junction Temperature Range	TJ	-55 to +150				°C
Storage Temperature Range	Тѕтс	-55 to +150			٥C	

NOTES:

1. Mounted on 48cm² FR-4 PCB

2. Mounted on a FR4 PCB, single-sided copper, standard footprint



GS1GAFC-AU ~ GS1MAFC-AU Series

TYPICAL CHARACTERISTIC CURVES

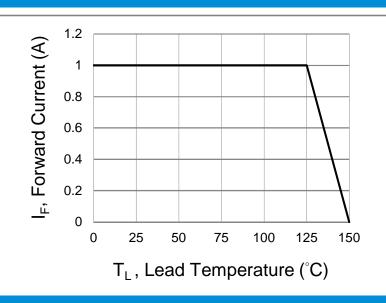


Fig.1 Forward Current Derating Curve

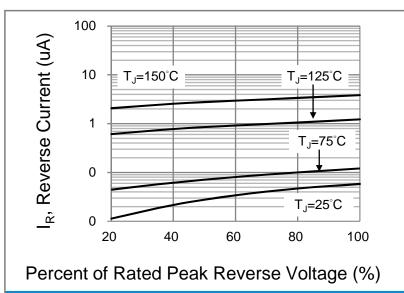


Fig.3 Typical Reverse Characteristics

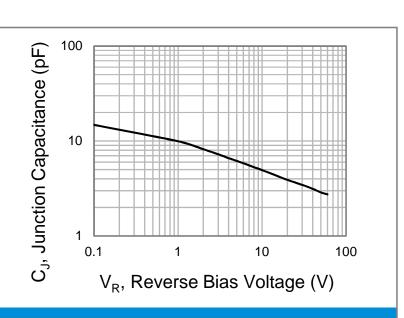


Fig.2 Typical Junction Capacitance

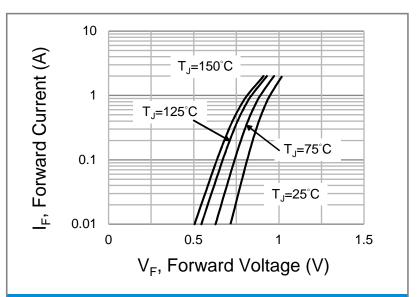


Fig.4 Typical Forward Characteristics

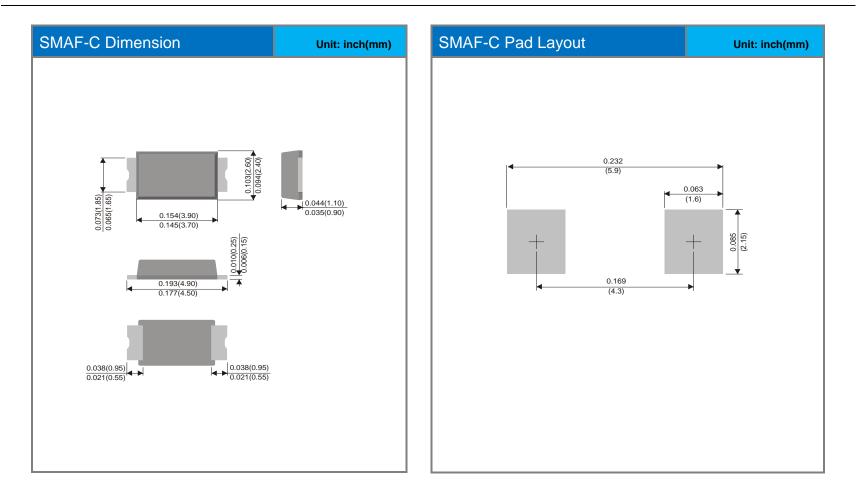


GS1GAFC-AU ~ **GS1MAFC-AU** Series

Product and Packing Information

Part No.	Package Type	Packing Type	Marking
GS1GAFC-AU	SMAF-C	3K pcs / 7" reel	GS1G
GS1JAFC-AU	SMAF-C	3K pcs / 7" reel	GS1J
GS1KAFC-AU	SMAF-C	3K pcs / 7" reel	GS1K
GS1MAFC-AU	SMAF-C	3K pcs / 7" reel	GS1M

Packaging Information & Mounting Pad Layout





GS1GAFC-AU ~ GS1MAFC-AU Series

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