

- Terminals: Solder plated, solderable per MIL-STD-
- Polarity: Indicated by cathode bandStandard packaging: 12mm tape (EIA-481)
- Weight: 0.002 ounce, 0.067 gram

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified. Single phase, half wave, 60 Hz, resistive or inductive load. For capacitive load, derate current by 20%.

PARAMETER	SYMBOL	GS1A-AU	GS1B-AU	GS1D-AU	GS1G-AU	GS1J-AU	GS1K-AU	GS1M-AU	UNITS
Maximum Recurrent Peak Reverse Voltage		50	100	200	400	600	800	1000	V
Maximum RMS Voltage	V _{RMS}	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	V _{DC}	50	100	200	400	600	800	1000	V
Maximum Average Forward Currenth at T_L =100 °C	I _{F(AV)}	1.0							A
Peak Forward Surge Current : 8.3ms single half sine-wave superimposed on rated load (JEDEC method)	I _{fsm}	30							А
Maximum Forward Voltage at 1.0A	V _F	1.1						V	
Maximum DC Reverse Current at T,=25°C Rated DC Blocking Voltage T,=125°C	I _R	1.0 50						μA	
Typical Junction capacitance (Note 1)	C	12					рF		
Typical Junction Resistance (Note 2)	$R_{_{\theta JL}}$	30					°C / W		
Operating and Storage Temperature Range	Tj,Tstg	-55 to +150						°C	

NOTES:1. Measured at 1 MHz and applied V_{r} = 4.0 volts.

2. 8.0 \mbox{mm}^2 (.013mm thick) land areas.

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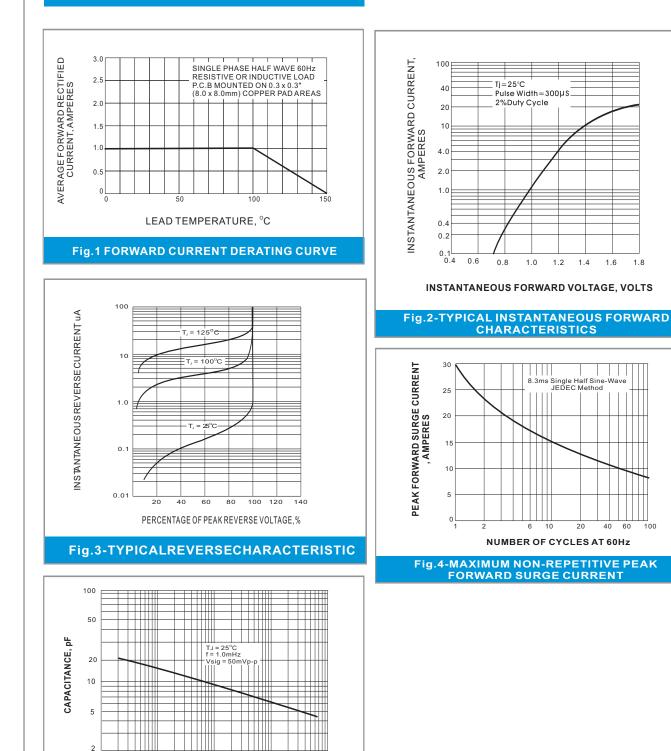
1.8

100

60

GS1A-AU~GS1M-AU

RATING AND CHARACTERISTIC CURVES



1 0.1

1.0

10

REVERSE VOLTAGE, VOLTS

Fig.5 TYPICAL JUNCTION CAPACITANCE

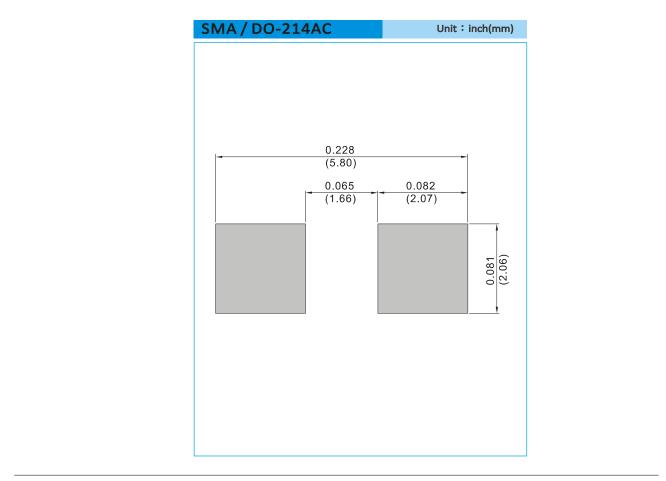
100

1000





MOUNTING PAD LAYOUT



ORDER INFORMATION

Packing information

T/R - 7.5K per 13" plastic Reel

T/R - 1.8K per 7" plastic Reel





Part No_packing code_Version

GS1A-AU_R1_000A1 GS1A-AU_R2_000A1

For example :

RB500V-40_R2_00001



- Serial number

• Version code means HF

- Packing size code means 13"
- Packing type means T/R

Packing Code XX					Version Code XXXXX			
Packing type	1 st Code	Packing size code	2 nd Code	HF or RoHS	1 st Code	2 nd ~5 th Code		
Tape and Ammunition Box (T/B)	A	N/A	0	HF	0	serial number		
Tape and Reel (T/R)	R	7"	1	RoHS	1	serial number		
Bulk Packing (B/P)	В	13"	2					
Tube Packing (T/P)	т	26mm	X					
Tape and Reel (Right Oriented) (TRR)	S	52mm	Y					
Tape and Reel (Left Oriented) (TRL)	L	PANASERT T/B CATHODE UP (PBCU)	U					
FORMING	F	PANASERT T/B CATHODE DOWN (PBCD)	D					





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