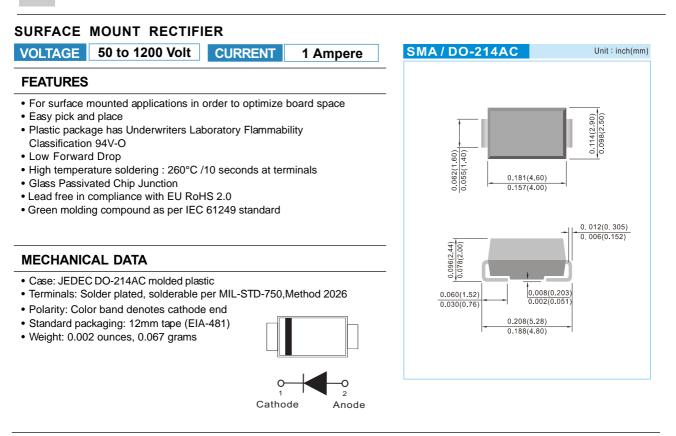


### GS1A~GS1N



#### MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

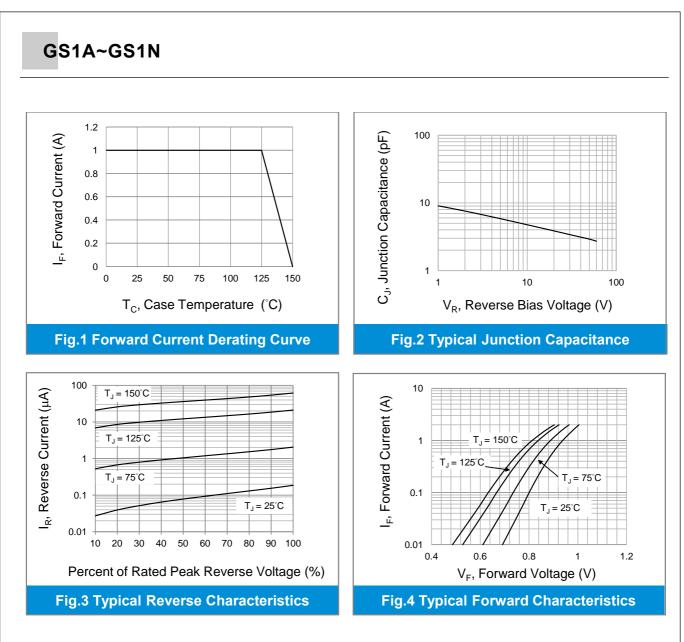
Ratings at 25°C ambient temperature unless otherwise specified. Single phase, half wave, 60 Hz, resistive or inductive load. For capacitive load, derate current by 20%.

PARAMETER	SYMB	OL GS1A	GS1B	GS1D	GS1G	GS1J	GS1K	GS1M	GS1N	UNITS
Maximum Recurrent Peak Reverse Voltage	V <sub>rrm</sub>	<sub>۸</sub> 50	100	200	400	600	800	1000	1200	V
Maximum RMS Voltage	V <sub>RM</sub>	35	70	140	280	420	560	700	840	V
Maximum DC Blocking Voltage		50	100	200	400	600	800	1000	1200	V
Maximum Average Forward Currenth at T <sub>L</sub> =100°C	I <sub>F(AV</sub>	)	1							А
Peak Forward Surge Current : 8.3ms single half sine-wave superimposed on rated load		1	35						А	
Maximum Forward Voltage at 1A			1.1						V	
Maximum DC Reverse Current at Rated DC Blocking $T_j=25^{\circ}C$ Voltage $T_j=125^{\circ}C$			1 50							μA
Typical Junction Capacitance (Note 1)	C <sup>1</sup>					12				pF
Typical Junction Resistance (Note (Note	, A)	37 150			°C / W					
Operating and Storage Temperature Range	T <sub>J</sub> ,T <sub>s</sub>				-55 t	o +150				°C

NOTES:1. Measured at 1 MHz and applied  $V_{\scriptscriptstyle R}$  = 4 volts.

2. Mounted on a FR4 PCB, single-sided copper, with 100cm<sup>2</sup> copper pad area

3. Mounted on a FR4 PCB, single-sided copper, mini pad.











# GS1A~GS1N MOUNTING PAD LAYOUT SMA/DO-214AC Unit : inch(mm) 0.228 (5.80) 0.065 0.082 (1.66) (2.07) 0.081 (2.06)

#### ORDER INFORMATION

Packing information

T/R - 7.5K per 13" plastic Reel

T/R - 1.8K per 7" plastic Reel





## GS1A~GS1N

#### Part No\_packing code\_Version

GS1A\_R1\_00001 GS1A\_R2\_00001

#### 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 <sup>st</sup> Code	Packing size code	2 <sup>nd</sup> Code	HF or RoHS	1 <sup>st</sup> Code	2 <sup>nd</sup> ~5 <sup>th</sup> Code		
Tape and Ammunition Box (T/B)	Α	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					





## GS1A~GS1N

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