





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	GS1B	GS1D	GS1G	GS1J	GS1K	GS1M	GS1N	UNITS
Maximum Recurrent Peak Reverse Voltage	V _{rrm}	50	100	200	400	600	800	1000	1200	V
Maximum RMS Voltage	V _{rms}	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 $T_L = 100^{\circ}C$	I _{F(AV)}	1						A		
Peak Forward Surge Current : 8.3ms single half sine-wave superimposed on rated load	I _{fsm}	35						A		
Maximum Forward Voltage at 1A		1.1						v		
Maximum DC Reverse Current at Rated DC Blocking T_=25° Voltage T_j=125	C I _R	n 1 50			μA					
Typical Junction Capacitance (Note 1)	C					12				pF
Typical Junction Resistance (Note (Note		37 150			°C / W					
Operating and Storage Temperature Range	T_{J},T_{STG}				-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 100cm² 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 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)	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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