## GS1AWG SERIES



#### 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		GS1AWG	GS1BWG	GS1DWG	GS1GWG	GS1JWG	GS1KWG	GS1MWG	UNITS
Maximum Recurrent Peak Reverse Voltage		50	100	200	400	600	800	1000	V
Maximum RMS Voltage		35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage		50	100	200	400	600	800	1000	V
Maximum Average Forward Current	I <sub>F(AV)</sub>	(F(AV) 1						А	
Peak Forward Surge Current : 8.3ms single half sine- wave superimposed on rated load (JEDEC method)	I <sub>fsm</sub>	30						А	
Maximum Forward Voltage at 1A DC		1.1						V	
Maximum DC Reverse Current at Rated DC Blocking Voltage		1						μΑ	
Typical Junction Capacitance Measured at 1MHz and applied $V_{R}$ =4.0V	C	7						pF	
Typical Junction Resistance (Note 1) (Note 2)	R <sub>eja</sub> R <sub>ejl</sub>	150 15						°C / W	
Operating and Storage Temperature Range	T <sub>J</sub> ,T <sub>STG</sub>	-55 to +150					°C		

NOTES:1. Mounted on an FR4 PCB, single-sided copper, mini pad.

2. Mounted on an FR4 PCB, single-sided copper, with 76.2 x 114.3mm copper pad area.







# **G**S1AWG SERIES

#### **MOUNTING PAD LAYOUT**



### **ORDER INFORMATION**

- Packing information
  T/R 7.5K per 13" plastic Reel
  - T/R 1.8Kper 7" plastic Reel





## Part No\_packing code\_Version

GS1AWG\_R1\_00001 GS1AWG\_R1\_10001 GS1AWG\_R2\_00001 GS1AWG\_R2\_10001

### 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					





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