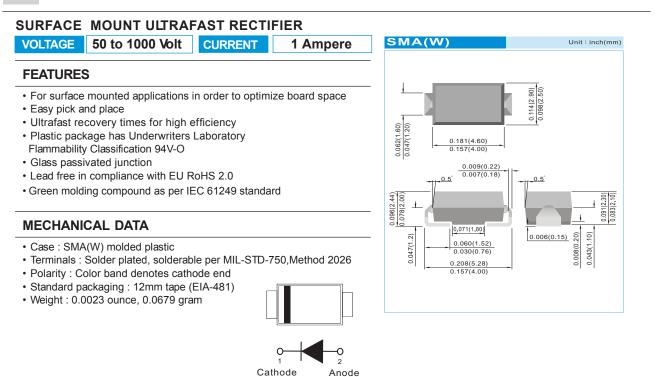


# **US1AWG SERIES**



#### 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%.

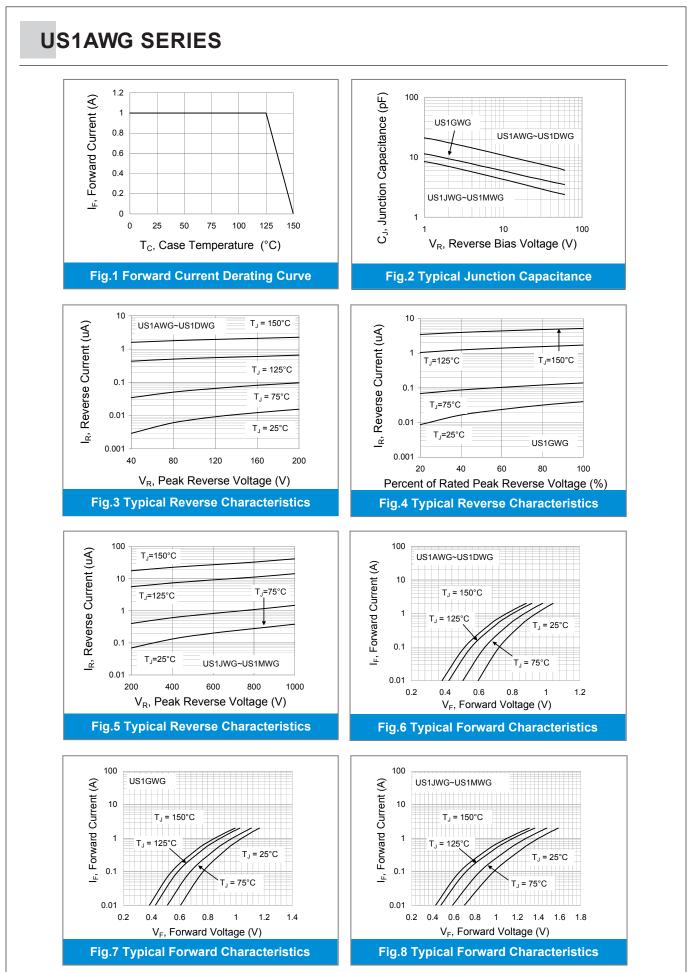
PARAMETER	SYMBOL	US1AWG	US1BWG	US1DWG	US1GWG	US1JWG	US1KWG	US1MWG	UNITS
Maximum Recurrent Peak Reverse Voltage		50	100	200	400	600	800	1000	V
Maximum RMS Voltage		35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage		50	100	200	400	600	800	1000	V
Maximum Average Forward Current	I <sub>F(AV)</sub>	1						A	
Peak Forward Surge Current : 8.3ms single half sine-wave superimposed on rated load	I <sub>fsm</sub>	30						A	
Maximum Forward Voltage at 1A	V <sub>F</sub>	1 1.3 1.7					V		
Maximum DC Reverse Current at Rated DC Blocking Voltage	I <sub>R</sub>	10					μA		
Typical Junction Capacitance	C	17					pF		
Typical Thermal Resistance (Note 1) (Note 2)	${f R}_{_{ heta JA}} {f R}_{_{ heta JL}}$	150 35						°C / W	
Maximum Reverse Recovery Time (Note 3)	T <sub>RR</sub>	50			100			ns	
Operating Junction and Storage Temperature Range	T_J,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.

3. Reverse Recovery Test Conditions:  $I_{\text{F}}\text{=}0.5\text{A},~I_{\text{R}}\text{=}1\text{A},$  Recover to 0.25A.



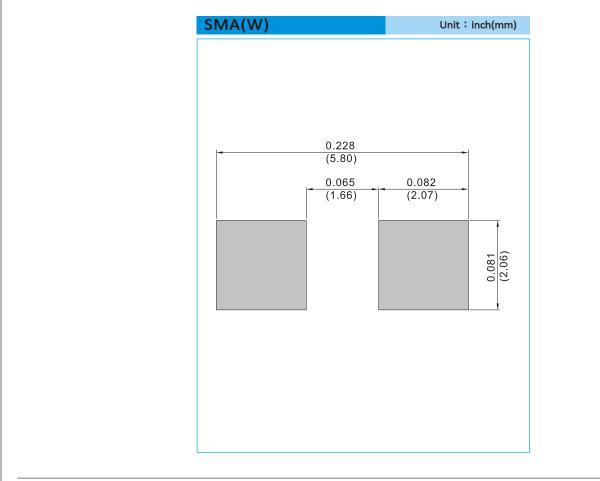






# **US1AWG SERIES**





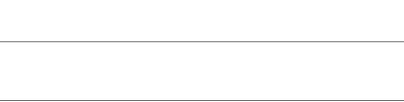
#### ORDER INFORMATION

Packing information

T/R - 7.5K per 13" plastic Reel

T/R - 1.8K per 7" plastic Reel





### Part No\_packing code\_Version

**US1AWG SERIES** 

US1AWG\_R1\_00001 US1AWG\_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					





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