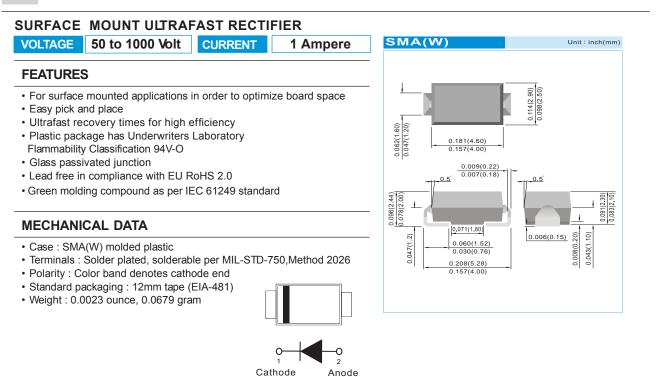


US1AWG SERIES



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%.

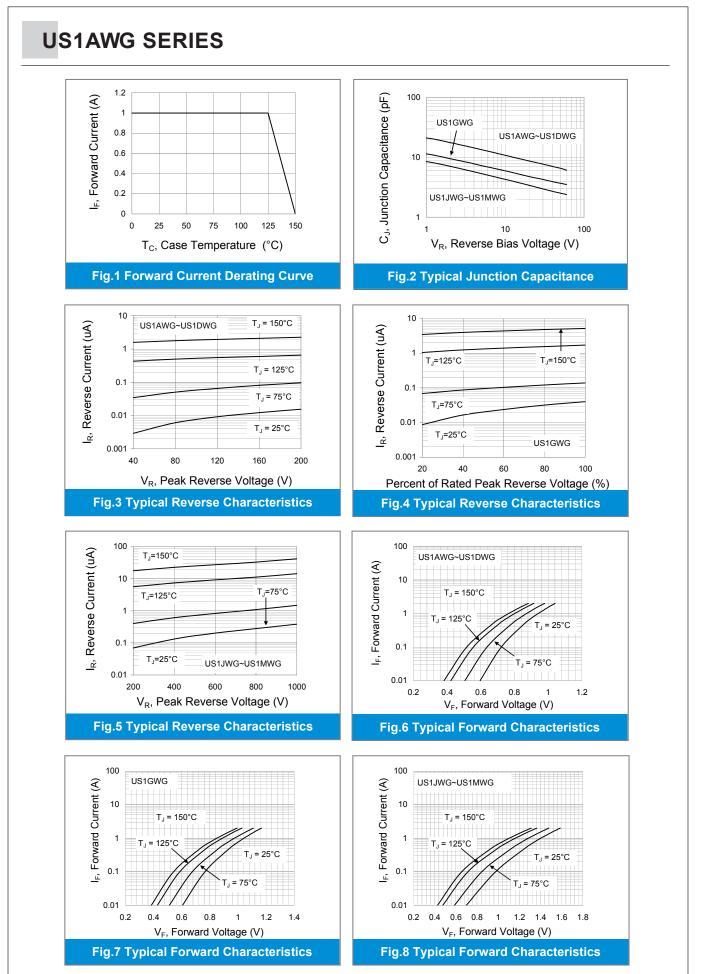
PARAMETER	SYMBOL	US1AWG	US1BWG	US1DWG	US1GWG	US1JWG	US1KWG	US1MWG	UNITS
Maximum Recurrent Peak Reverse Voltage		50	100	200	400	600	800	1000	V
Maximum RMS Voltage		35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage		50	100	200	400	600	800	1000	V
Maximum Average Forward Current	I _{F(AV)}	1						A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

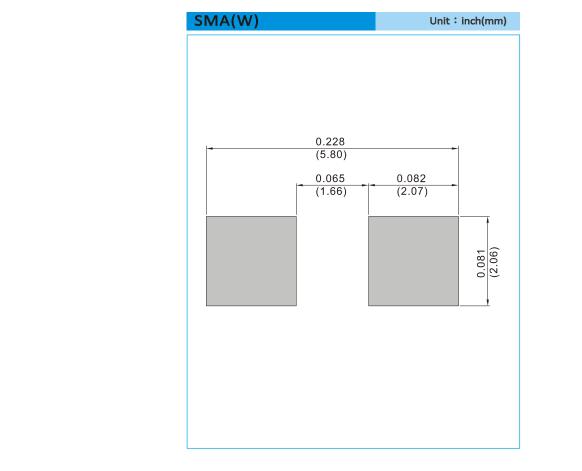






US1AWG SERIES





ORDER INFORMATION

Packing information

T/R - 7.5K per 13" plastic Reel

T/R - 1.8K per 7" plastic Reel





US1AWG SERIES

Part No_packing code_Version

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 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					





Disclaimer

- Reproducing and modifying information of the document is prohibited without permission from Panjit International Inc..
- Panjit International Inc. reserves the rights to make changes of the content herein the document anytime without notification. Please refer to our website for the latest document.
- Panjit International Inc. disclaims any and all liability arising out of the application or use of any product including damages incidentally and consequentially occurred.
- Panjit International Inc. does not assume any and all implied warranties, including warranties of fitness for particular purpose, non-infringement and merchantability.
- Applications shown on the herein document are examples of standard use and operation. Customers are responsible in comprehending the suitable use in particular applications. Panjit International Inc. makes no representation or warranty that such applications will be suitable for the specified use without further testing or modification.
- The products shown herein are not designed and authorized for equipments requiring high level of reliability or relating to human life and for any applications concerning life-saving or life-sustaining, such as medical instruments, transportation equipment, aerospace machinery et cetera. Customers using or selling these products for use in such applications do so at their own risk and agree to fully indemnify Panjit International Inc. for any damages resulting from such improper use or sale.
- Since Panjit uses lot number as the tracking base, please provide the lot number for tracking when complaining.

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Panjit: US1BWG_R1_00001 US1BWG_R2_00001