

2W02 THRU 2W10
BRIDGE RECTIFIERS



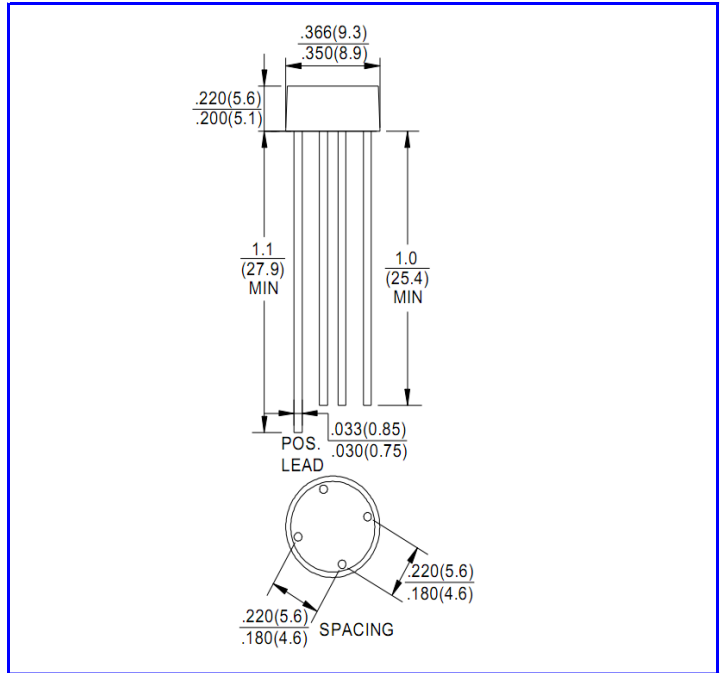
VOLTAGE 200~1000 Volts **CURRENT** 2.0 Amperes **WOB** Unit:Inch(mm)

FEATURES

- Glass passivated junction
- Ideal for printed circuit board
- Reliable low cost construction utilizing molded plastic technique
- High temperature soldering guaranteed: 260°C / 10 seconds / 0.375" (9.5mm) lead length at 5 lbs., (2.3 kg) tension
- Small size, simple installation
Pure tin plated terminal , Lead free. Leads solderable per MIL-STD-202, Method 208
- High surge current capability

MECHANICAL DATA

- Case: Molded plastic body
- Mounting position : as Marking



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS (TA=25°C(UNLESS OTHERWISE NOTED))

Single phase, half wave, 60Hz, resistive or inductive load. For capacitive load, derate current by 20%

Parameter	Symbol	2W 02	2W 04	2W 06	2W 08	2W 10	Unit
Maximum Repetitive Peak Reverse Voltage	V_{RRM}	200	400	600	800	1000	V
Maximum RMS Voltag	V_{RMS}	140	280	420	560	700	V
Maximum DC Blocking Voltage	V_{DC}	200	400	600	800	1000	V
Maximum Average Forward Rectified Current @ TC=100°C (see fig.1)	$I_{F(AV)}$	2.0					A
Peak Forward Surge Current 8.3ms Single Half Sine-wave Superimposed On Rate Load (JEDEC Method)	I_{FSM}	60					A
Current Squared Time Per Diode(t<8.3ms)	$I^2 t$	14.94					A ² sec
Maximum Forward Voltage Per Diode @ 2.0A (Note 1)	V_{FM}	1.1					V
Maximum DC Reverse Current at Rated DC Blocking Voltage (Note 2)	I_{RRM}	10					uA
		1000					
Typical thermal resistance	Between junction and lead	25					°C/W
	Between junction and ambient, On Glass-Epoxy Substrate	62.5					
Operating Junction Temperature Range	T_J	125					°C
Storage Temperature Range	T_{STD}	-55 to +125					

- Notes: 1. Pulse test: 300 μs pulse width, 1% duty cycle
 2. Pulse test: pulse width ≤ 40ms

Packing Information

Product code	Pack	Box Size LxWxH(mm)	Quantity (pcs/box)	Carton Size LxWxH(mm)	Quantity (box/carton)
2W02 THRU 2W10	B/P	340×340×40	500	360×360×60	50000

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RATING AND CHARACTERISTIC CURVES

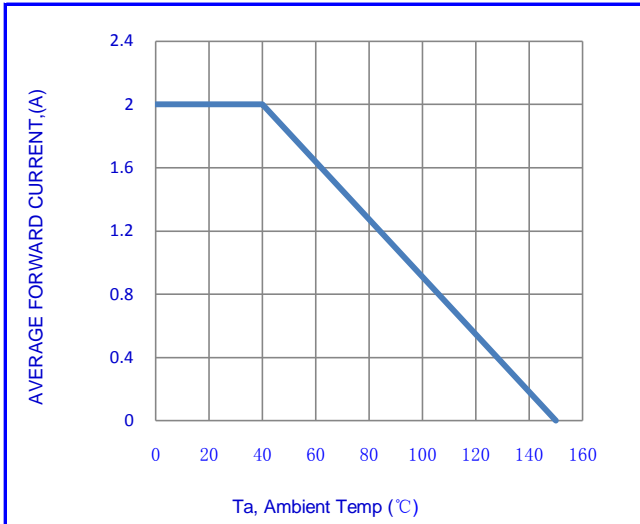


Fig.1-FORWARD CURRENT DERATING CURVE

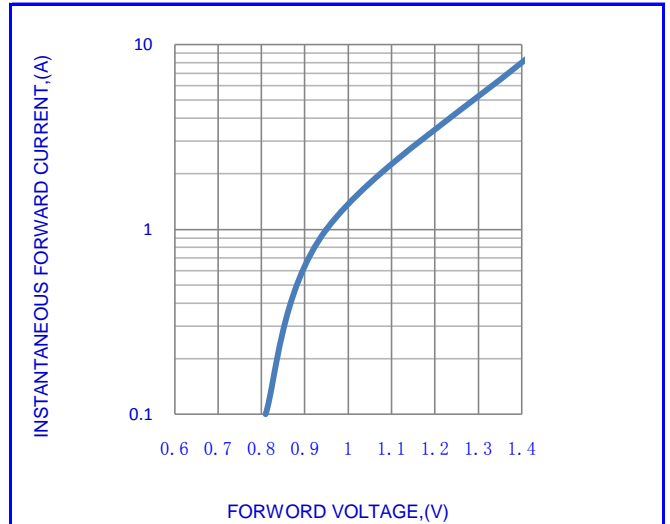


Fig.2- TYPICAL INSTANTANEOUS FORWARD

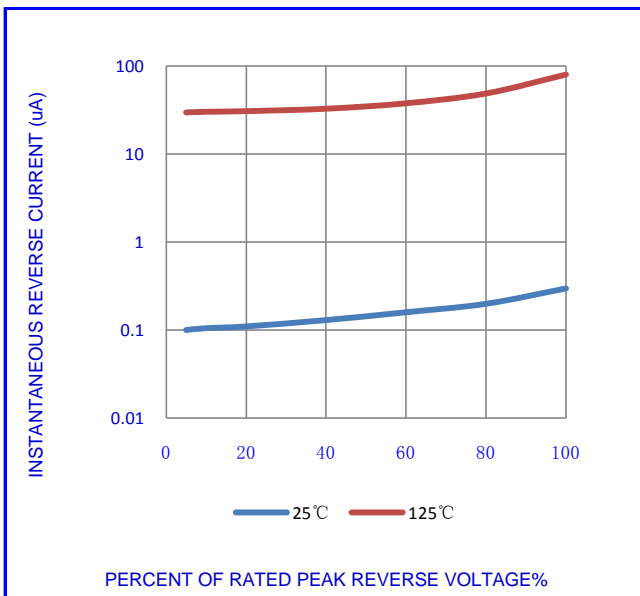


Fig.3- TYPICAL REVERSE CHARACTERISTICS

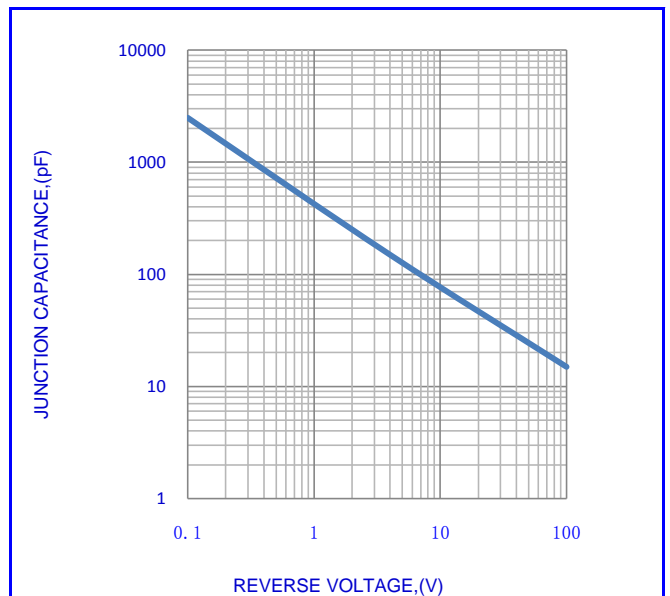


Fig.4- TYPICAL JUNCTION CAPACITANCE

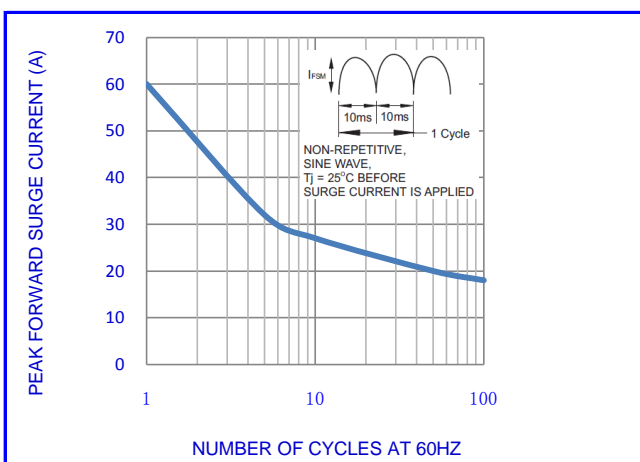


Fig.5-MAX. NON-REPETITIVE SURGE CURRENT