

**2A SINGLE-PHASE GLASS PASSIVATED
BRIDGE RECTIFIER**

Voltage - 50 to 1000 V

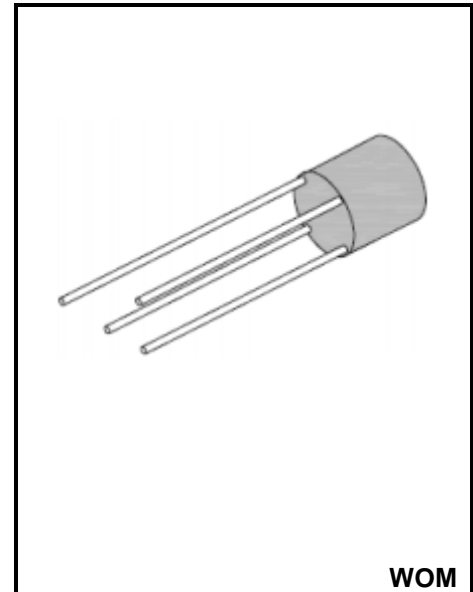
Forward Current – 2 A

FEATURES

- ◆High current capability
- ◆Low forward voltage drop
- ◆Glass Passivated Chip Junction
- ◆High temperature soldering guaranteed:
260°C for 10 seconds
- ◆Lead free in comply with EU RoHS 2011/65/EU directives

MECHANICAL DATA

- ◆Case: WOM
- ◆Terminals: Solderable per MIL-STD-202, Method 208
- ◆Approx. Weight: 1.3g



Maximum Ratings and Electrical characteristics

Ratings at 25 °C ambient temperature unless otherwise specified.

Parameter	Symbols	2W005	2W01	2W02	2W04	2W06	2W08	2W10	Units
Maximum Repetitive Peak Reverse Voltage	V _{RRM}	50	100	200	400	600	800	1000	V
Maximum RMS voltage	V _{RMS}	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	V _{DC}	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current .375"(9.5mm) Lead Length at TA=50°C	I _(AV)	2.0							A
Peak Forward Surge Current 8.3 ms Single Half Sine-Wave Superimposed on Rated Load (JEDEC method)	I _{FSM}	50							A
Maximum Forward Voltage at 2.0A DC and 25°C	V _F	1.1							V
Maximum Reverse Current at TA=25°C at Rated DC Blocking Voltage TA=100°C	I _R	5.0 500							μA
Typical Junction Capacitance ^(Note1)	C _j	40				20			pF
Typical Thermal Resistance ^(Note2)	R _{θJA} R _{θJL}	40 15							°C/W
Operating and Storage Temperature Range	T _j , T _{stg}	-55 ~ +150							°C

(1) Measured at 1 MHz and applied reverse voltage of 4 V D.C

(2) Thermal Resistance Junction to Ambient and form junction to lead at 0.375"(9.5mm) lead length P.C.B. Mounted.

Ratings And Characteristic Curves

FIG.1- MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT PER BRIDGE ELEMENT

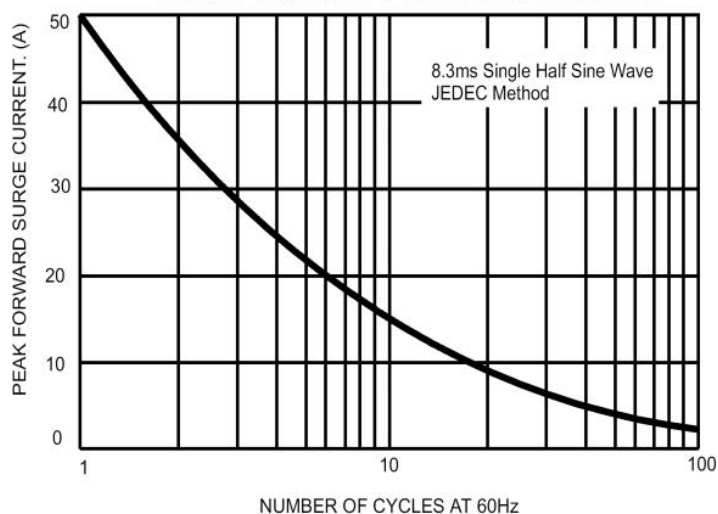


FIG.2- MAXIMUM CURRENT DERATING CURVE OUTPUT RECTIFIED CURRENT

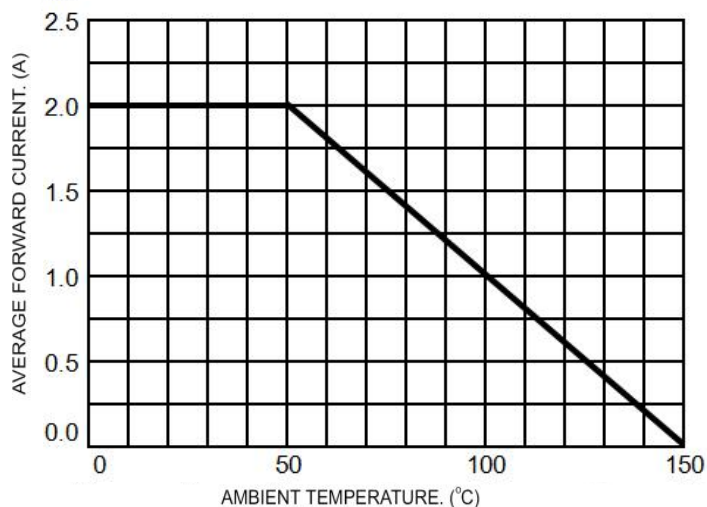


FIG.3- TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS PER BRIDGE ELEMENT

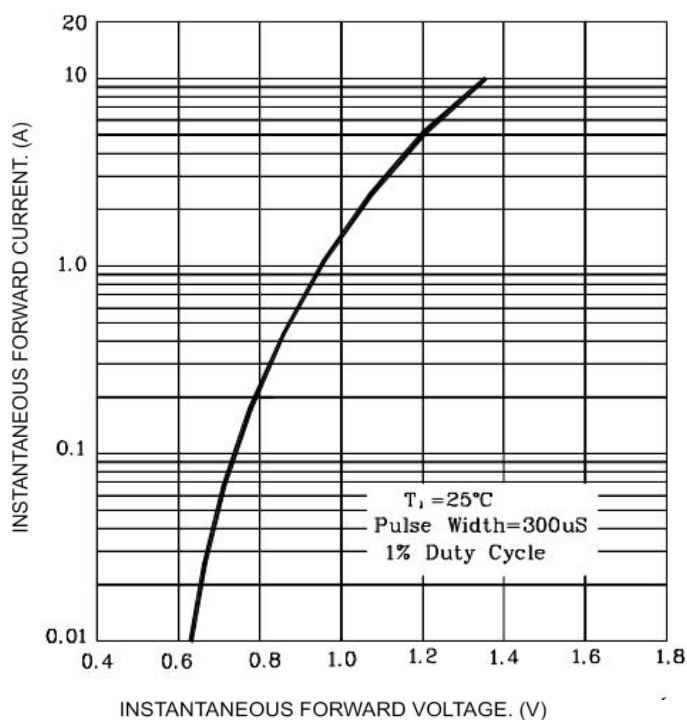
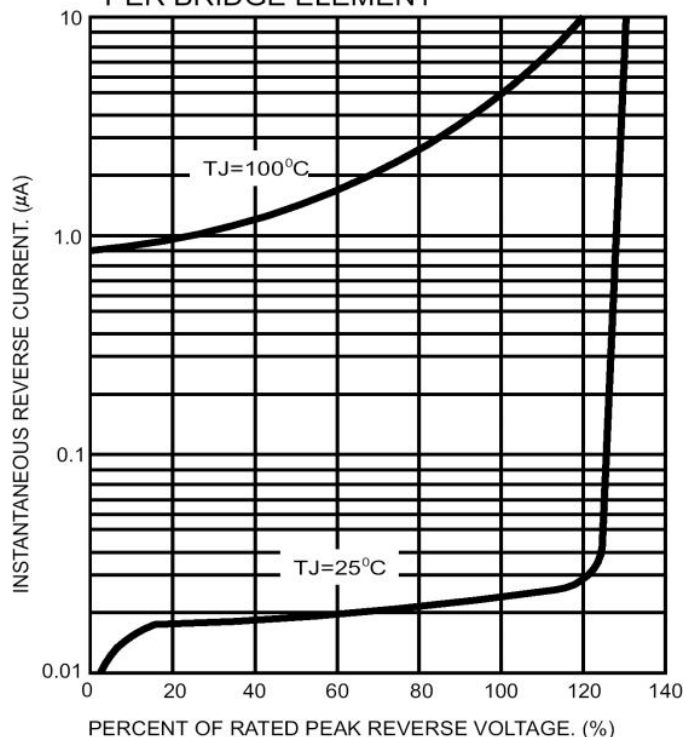
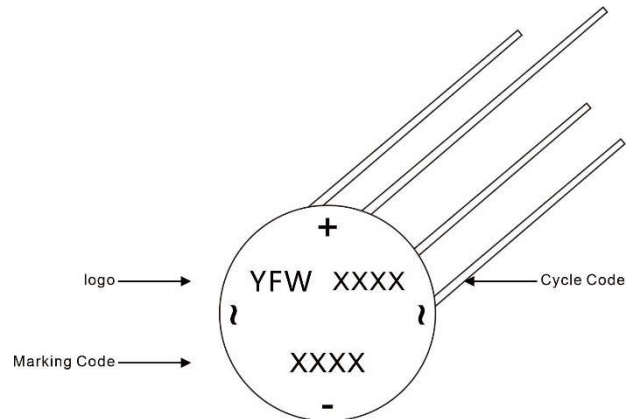


FIG.4- TYPICAL REVERSE CHARACTERISTICS PER BRIDGE ELEMENT



Marking Diagram



Ordering information

Package	Packing Description	Packing Quantity
WOM	bulk	1000PCS/Bag 1000PCS/Carton

Package Dimensions

WOM

Dim.	Millimeter(mm)		Dimensions inInch	
	Min.	Max.	Min.	Max.
A	-	9.10	-	0.358
B	-	4.60	-	0.169
C	25.40	-	1.000	-
D	27.90	-	1.098	-
E	4.60	5.60	0.180	0.220
F	0.71	0.81	0.028	0.032

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