

**GLASS PASSIVATED BRIDGE RECTIFIERS**

REVERSE VOLTAGE - **50 to 1350** Volts  
FORWARD CURRENT - **2.0** Amperes

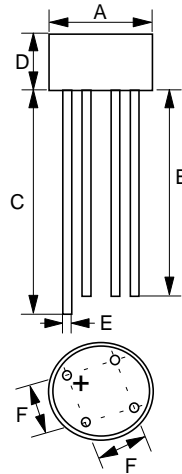
**FEATURES**

- Rating to 1000V PRV
- Ideal for printed circuit board
- Low forward voltage drop, high current capability.
- Reliable low cost construction utilizing molded epoxy technique results in inexpensive product
- The plastic material has UL flammability classification 94V-0
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**MECHANICAL DATA**

- Case : Molded plastic
- Polarity: As marked on Body
- Weight : 0.05 ounces, 1.3 grams
- .

**WOG**



WOG		
DIM.	MIN.	MAX.
A	8.84	9.86
B	25.4	-
C	27.9	-
D	4.00	4.60
E	0.71	0.81
F	4.60	5.60

All Dimensions in millimeter

**MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS**

Ratings at 25°C ambient temperature unless otherwise specified.  
Single phase, half wave, 60Hz, resistive or inductive load.  
For capacitive load, derate current by 20%

CHARACTERISTICS	SYMBOL	2W005G	2W01G	2W02G	2W04G	2W06G	2W08G	2W10G	2W12G	2W13G	UNIT
Maximum Recurrent Peak Reverse Voltage	V <sub>RRM</sub>	50	100	200	400	600	800	1000	1200	1350	V
Maximum RMS Voltage	V <sub>RMS</sub>	35	70	140	280	420	560	700	840	980	V
Maximum DC Blocking Voltage	V <sub>DC</sub>	50	100	200	400	600	800	1000	1200	1350	V
Maximum Average Forward Rectified Current @TA=25°C	I(AV)	2.0									A
Peak Forward Surge Current 8.3ms single half sine-wave superimposed on rated load (JEDEC METHOD)	I <sub>FSM</sub>	60									A
Maximum forward Voltage at 2.0A DC	V <sub>F</sub>	1.1									V
Maximum DC Reverse Current @T <sub>J</sub> =25°C at Rated DC Blocking Voltage @T <sub>J</sub> =125°C	I <sub>R</sub>	5.0 500									uA
I <sup>2</sup> t Rating for fusing (t < 8.3ms)	I <sup>2</sup> t	15									A <sup>2</sup> S
Typical Junction Capacitance per element (Note 1)	C <sub>J</sub>	25									pF
Typical Thermal Resistance (Note 2)	R <sub>θJA</sub>	40									°C/W
Operating Temperature Range	T <sub>J</sub>	-55 to + 150									°C
Storage Temperature Range	T <sub>STG</sub>	-55 to + 150									°C

