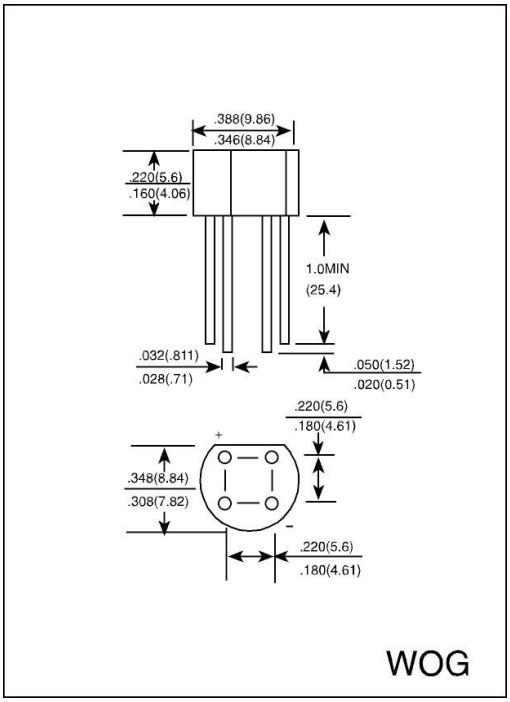
GLASS PASSIVATED SINGLE-PHASE BRIDGE RECTIFIER

2W005G THRU 2W10G

FEATURES

- Plastic package has underwriters laboratory
- Flammability classification 94V-0
- This seeries is UL recognized under component index, file number E127707
- Glass passivated chip junction
- High case dielectric strength
- Typical I_R less than 0.5 μA
- High surge current capability
- Ideal for printed circuit boards
- High temperature soldering guaranteed
  260℃/10 seconds, 0.375" (9.5mm) lead length at 5 lbs (2.3kg) tension



MECHANICAL DATA

- Case: Molded Plastic body over passivated junctions
- Terminal: Plated leads solderable per MIL - STD - 750 method 2026
- Mounting position : Any
- Weight: 0.04 ounce, 1.1 gram

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

- Ratings at 25℃ ambient temperature unless otherwise specified

	SYMBOLS	2W005G	2W01G	2W02G	2W04G	2W06G	2W08G	2W10G	UNIT
Maximum Repetitive Peak Reverse Voltage	V_{RRM}	50	100	200	400	600	800	1000	Volts
Maximum RMS Voltage	V_{RMS}	35	70	140	280	420	560	700	Volts
Maximum DC Blocking Voltage	V_{DC}	50	100	200	400	600	800	1000	Volts
Maximum Average Forward Rectified Current, at 0.375' (9.5mm) lead length (Note 1)	$I_{F(AV)}$	2.0							Amps
Peak Forward Surge Current 8.3ms single half sine - wave superimposed on rated load (JEDEC method)	I_{FSM}	60							Amps
Rating for Fusing (t<8.3ms)	I^2t	15							A^2s
Maximum Instantaneous Forward Voltage Drop per element at 2.0A DC	V_F	1.1							Volts
Maximum Average Reverse Current at T_A = 25℃	I_R	5.0							μA
rated DC blocking voltage T_A = 125℃		500							μA
Typical Junction Capacitance per leg at 4.0V, 1MHz	C_j	40				20			pF
Typical Thermal Resistance per leg (Note1)	$R_{\theta JI}$	15							℃/W
	$R_{\theta JA}$	40							
Operating Temperature Range	T_J	(-55 to +150)							℃
Storage Temperature Range	T_{STG}	(-55 to +150)							

NOTES:

1. Thermal resistance from junction to lead at 0.375" (9.5mm) lead length P.C.B. mounting.

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