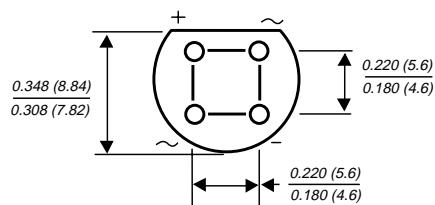
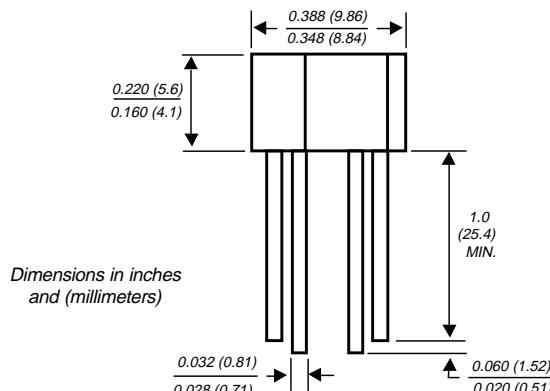

Case Style WOG


Maximum Ratings & Thermal Characteristics

Ratings at 25°C ambient temperature unless otherwise specified.

Parameter	SYMBOLS	B40 C1000G	B80 C1000G	B125 C1000G	B250 C1000G	B380 C1000G	UNITS
Maximum repetitive peak reverse voltage	V _{RRM}	65	125	200	400	600	V
Maximum RMS input voltage R + C-load	V _{RMS}	40	80	125	250	380	V
Maximum DC blocking voltage	V _{DC}	65	125	200	400	600	V
Maximum peak working voltage	V _{RWM}	90	180	300	600	800	V
Maximum non-repetitive peak voltage	V _{RSM}	100	200	350	600	1000	V
Maximum repetitive peak forward surge current	I _{FRM}				10		A
Maximum average forward output current for free air operation at T _A =45°C R + L-load C-Load	I _{F(AV)}			1.2			A
Peak forward surge current single sine wave on rated load (JEDEC Method)	I _{FSM}			45			A
Rating for fusing at T _J =125°C (t<8.3ms)	I ² t			10			A ² sec
Minimum series resistor C-load at V _{RMS} = ±10%	R _t	1.0	2.0	4.0	8.0	12	Ω
Maximum load capacitance +50% -10%	C _L	5000	2500	1000	500	200	μF
Typical thermal resistance per leg (NOTE 1)	R _{θJA} R _{θJL}			36			°C/W
Operating junction temperature range	T _J			-40 to +125			°C
Storage temperature range	T _{STG}			-40 to +150			°C

Electrical Characteristics

Ratings at 25°C ambient temperature unless otherwise specified.

	SYMBOLS	B40 C1000G	B80 C1000G	B125 C1000G	B250 C1000G	B380 C1000G	UNITS
Maximum instantaneous forward voltage drop per leg at 1.0A	V _F			1.0			V
Maximum reverse current at rated repetitive peak voltage per leg T _A =25°C	I _R			10			μA

Notes:

- (1) Thermal resistance from junction to ambient and from junction to lead mounted on P.C.B.
at 0.375" (9.5mm) lead lengths with 0.2 x 0.2" (5.5 x 5.5mm) copper pads

Reverse Voltage 65 and 600 V
Forward Current 1.0 A

Features

- Plastic package has Underwriters Laboratory Flammability Classification 94V-0
- Glass passivated chip junction
- High case dielectric strength
- Typical I_R less than 0.1 μA
- High overload surge current
- Ideal for printed circuit boards
- High temperature soldering guaranteed: 260°C/10 seconds, 0.375 (9.5mm) lead length, 5 lbs. (2.3kg) tension

Mechanical Data

Case: Molded plastic body over passivated junctions

Terminals: Plated leads solderable per MIL-STD-750, Method 2026

Mounting Position: Any

Weight: 0.04 ounce, 1.1 grams

Ratings and Characteristic Curves ($T_A = 25^\circ\text{C}$ unless otherwise noted)

