

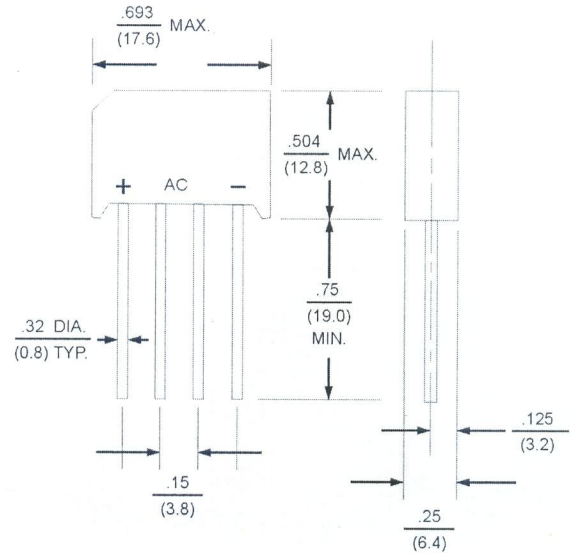
# B40C thru B500C2300/1500

## SILICON BRIDGE RECTIFIERS

REVERSE VOLTAGE - 50 to 1000 Volts  
FORWARD CURRENT - 2.0 Amperes

### FEATURES

- Surge overload rating - 50 amperes peak
- Ideal for printed circuit board
- Plastic material has Underwriters Laboratory Flammability Classification 94V-0
- Mounting Position: Any



Dimensions in inches and (millimeters)

### MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25°C ambient temperature unless otherwise specified.

Resistive or inductive load, 60Hz.

For capacitive load, derate current by 20%

CHARACTERISTICS		B40C 2300/1500	B80C 2300/1500	B125C 2300/1500	<b>B150C</b> <b>2300/1500</b>	B380C 2300/1500	B500C 2300/1500	UNIT
Maximum Recurrent Peak Reverse Voltage	50	100	200	400	600	800	1000	V
Maximum RMS Bridge Input Voltage	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Output Current @T <sub>A</sub> =50°C				2.0				A
Peak Forward Surge Current, 8.3ms single half sine-wave super imposed on rated load				50.0				A
Maximum Forward Voltage Drop per Bridge Element at 2.0A Peak				1.1				V
Maximum Reverse Current at Rated DC Blocking Voltage per Element				10.0				μA
Maximum Reverse Current at Rated DC Blocking Voltage per Element T <sub>A</sub> =100°C				1.0				mA
Operating Temperature Range T <sub>J</sub>				-55 to +125				°C
Storage Temperature Range T <sub>A</sub>				-55 to +150				°C