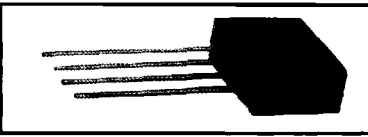
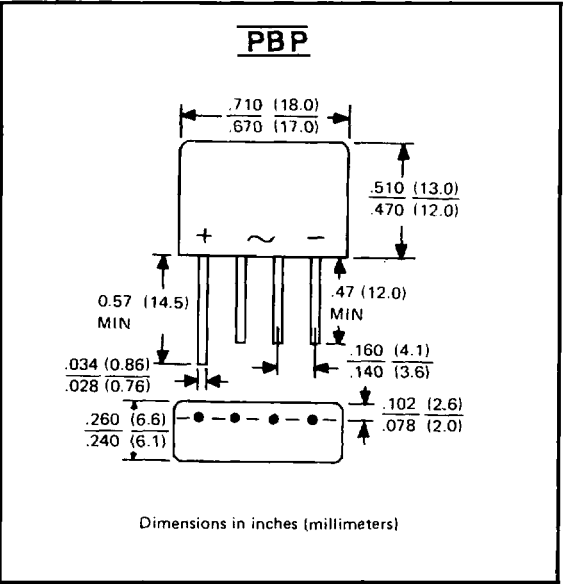


**1.5 AMPS. SILICON BRIDGE RECTIFIERS**



**VOLTAGE RANGE**  
50 to 1000 Volts  
**CURRENT**  
1.5 Amperes

- FEATURES**
- Rating to 1000V PRV
  - Surge overload rating to 40 Amperes peak.
  - Ideal for printed circuit board
  - Reliable low cost construction utilizing molded plastic technique results in inexpensive product
  - UL Recognized file # E95060
  - Lead solderable per MIL-STD-202 method 208
  - Leads: silver plated copper, soldered plated
  - Plastic material has UL flammability classification 94V-0
  - Weight: 0.1 ounce 2.76 grams



**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%.

		PBP151	PBP152	PBP153	PBP154	PBP155	PBP156	PBP157	UNITS
Maximum Recurrent Peak Reverse Voltage	V <sub>RRM</sub>	50	100	200	400	600	800	1000	V
Maximum RMS Bridge Input Voltage	V <sub>RMS</sub>	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	V <sub>DC</sub>	60	100	200	400	600	800	1000	V
Maximum Average Forward Output Current @ T <sub>A</sub> = 25° C	I <sub>(AV)</sub>	1.5							A
Peak Forward Surge Current 8.3 ms single half sine-wave superimposed on rated load	I <sub>FSM</sub>	40							A
Maximum DC Forward Voltage drop per element at 1.0A DC	V <sub>F</sub>	1							V
Maximum DC Reverse Current at rated DC Blocking Voltage per element @T <sub>A</sub> =25° C @T <sub>A</sub> = 100° C	I <sub>R</sub>	10 1							uA mA
I <sup>2</sup> t Rating for fusing (t < 8.3ms)	I <sup>2</sup> t	6.6							A <sup>2</sup> S
Operating Temperature Range	T <sub>J</sub>	-55 to + 125							°C
Storage Temperature Range	T <sub>STG</sub>	-55 to + 150							°C

NOTE: Please specify if UL recognition is necessary.

