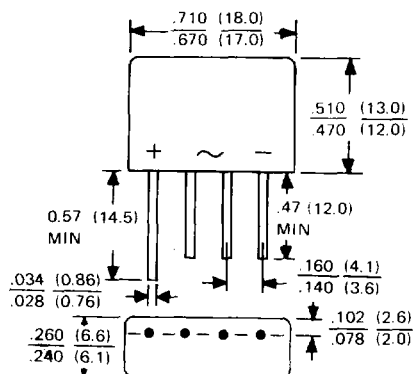


2 AMPS. SILICON BRIDGE RECTIFIERS


VOLTAGE RANGE
50 to 1000 Volts
CURRENT
2.0 Amperes

FEATURES

- Rating to 1000V PRV
- Surge overload rating to 50 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)

PBP


Dimensions in inches (millimeters)

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%.

		PBP201	PBP202	PBP203	PBP204	PBP205	PBP206	PBP207	UNITS
Maximum Recurrent Peak Reverse Voltage	V_{RRM}	50	100	200	400	600	800	1000	V
Maximum RMS Bridge Input Voltage	V_{RMS}	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	V_{DC}	60	100	200	400	600	800	1000	V
Maximum Average Forward Output Current @ $T_A = 25^\circ\text{C}$	$I_{(AV)}$	2.0							A
Peak Forward Surge Current 8.3 ms single half sine-wave superimposed on rated load	I_{FSM}	50							A
Maximum DC Forward Voltage drop per element at 1.0A DC	V_F	1.1							V
Maximum DC Reverse Current at rated @ $T_A = 25^\circ\text{C}$ DC Blocking Voltage per element @ $T_A = 100^\circ\text{C}$	I_R	10 1							μA mA
I^2t Rating for fusing ($t < 8.3\text{ms}$)	I^2t	10							A^2S
Operating Temperature Range	T_J	-55 to +125							$^\circ\text{C}$
Storage Temperature Range	T_{STG}	-55 to +150							$^\circ\text{C}$

NOTE: Please specify if UL recognition is necessary.

FIG. 1: PEAK FORWARD SURGE CURRENT

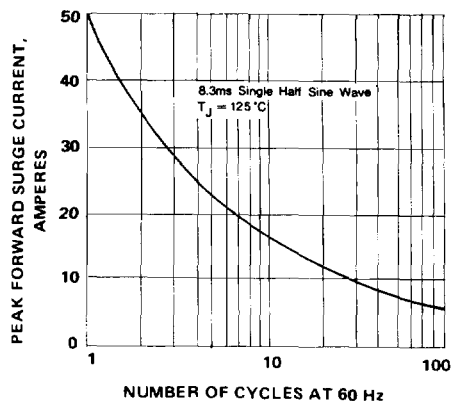


FIG. 2: FORWARD DERATING CURVE
OUTPUT RECTIFIED CURRENT

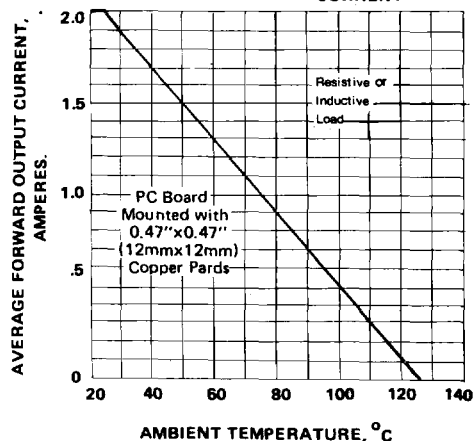


FIG. 3: TYPICAL FORWARD
CHARACTERISTIC

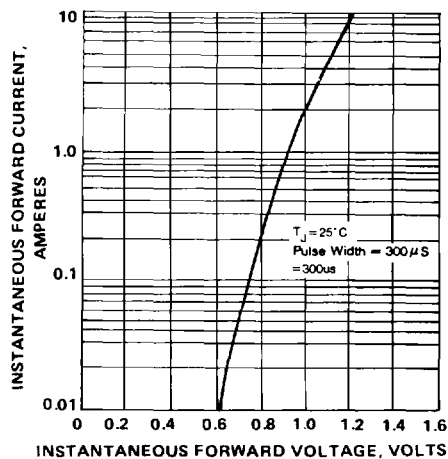


FIG. 4: TYPICAL REVERSE
CHARACTERISTIC

