

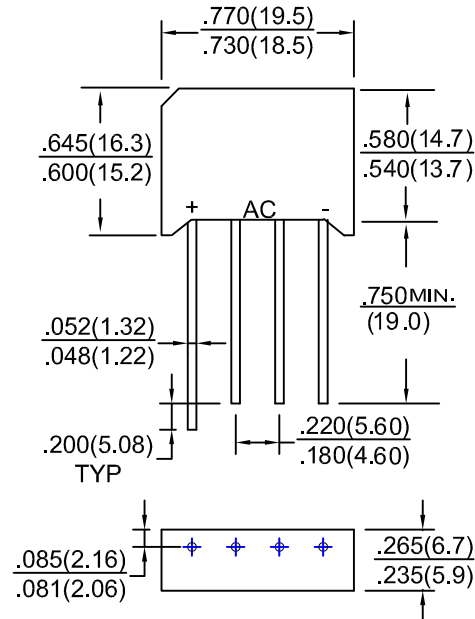
PBL601 THRU PBL610

SINGLE PHASE SILICON BRIDGE RECTIFIERS

PBL

FEATURES:

- Ideal for printed circuit board
- Reliable low cost construction utilizing molded plastic technique
- High surge current capability



MECHANICAL DATA

Case : Molded plastic
 Terminals : Plated terminals, solderable per MIL-STD-202F, Method 208
 Polarity : Polarity symbols marked on body
 Mounting Position : Any
 Handling Precaution : None
 Weight : 5.00 grams or 0.167 ounce per piece

Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25 °C ambient temp. unless otherwise specified.
 Single phase, half sine wave, 60 Hz, resistive or inductive load.
 For capacitive load, derate current by 20 %.

Characteristic	Symbol	PBL 601	PBL 602	PBL 603	PBL 604	PBL 606	PBL 608	PBL 610	Units
Maximum recurrent 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 Ta=50°C	I _O	6.0							Amps
Peak forward surge current single half sine-wave on rated load	I _{FSM}	180							Amps
Maximum instantaneous forward voltage drop per leg at 6.0 A	V _F	1.1							Volts
Maximum DC reverse current at rated DC blocking voltage per leg	I _R	5.0 100							μ A
Operating junction and storage temperature range	T _j , T _{stg}	-55 to +150							°C

RATINGS AND CHARACTERISTIC CURVES PBL601 THRU PBL610

