

# PBL401-1 THRU PBL410-1

## SINGLE PHASE SILICON BRIDGE RECTIFIERS

### FEATURES:

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

### MECHANICAL DATA

Case : Molded plastic

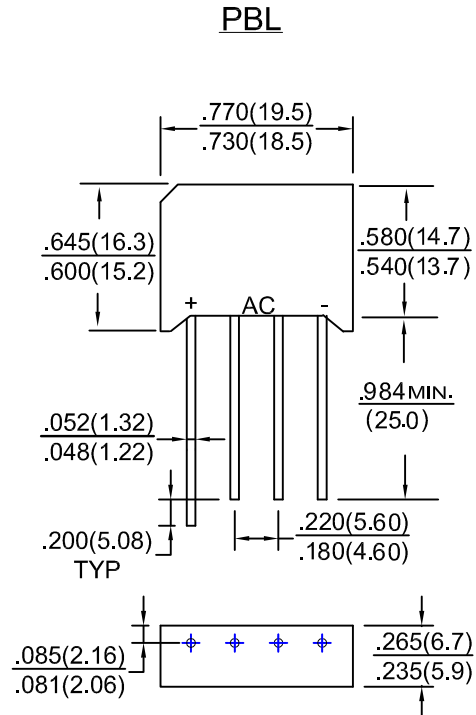
Terminals : Plated terminals, solderable per MIL-STD-202F, Method 208

Polarity : Polarity symbols marked on body

Mounting Position : Any

Handling Precaution : None

Weight : 5.00 grams or 0.167 ounce per piece



## 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 401-1	PBL 402-1	PBL 403-1	PBL 404-1	PBL 406-1	PBL 408-1	PBL 410-1	Units
	Marking	PBL 401	PBL 402	PBL 403	PBL 404	PBL 406	PBL 408	PBL 410	
Maximum recurrent peak reverse voltage	V <sub>RRM</sub>	50	100	200	400	600	800	1000	Volts
Maximum RMS voltage	V <sub>RMS</sub>	35	70	140	280	420	560	700	Volts
Maximum DC blocking voltage	V <sub>DC</sub>	50	100	200	400	600	800	1000	Volts
Maximum average forward rectified current at Ta=50°C	I <sub>O</sub>	4.0							Amps
Peak forward surge current single sine-wave on rated load(JEDEC Method)	I <sub>FSM</sub>	120							Amps
Maximum instantaneous forward voltage drop per leg at 4.0 A	V <sub>F</sub>	1.1							Volts
Maximum DC reverse current at rated DC blocking voltage per leg	I <sub>R</sub>	5.0 100.0							μ A
Operating junction and storage temperature range	T <sub>j</sub> , T <sub>stg</sub>	-50 to +150							°C

# RATINGS AND CHARACTERISTIC CURVES PBL401-1 THRU PBL410-1

