

KBP201 THRU KBP210

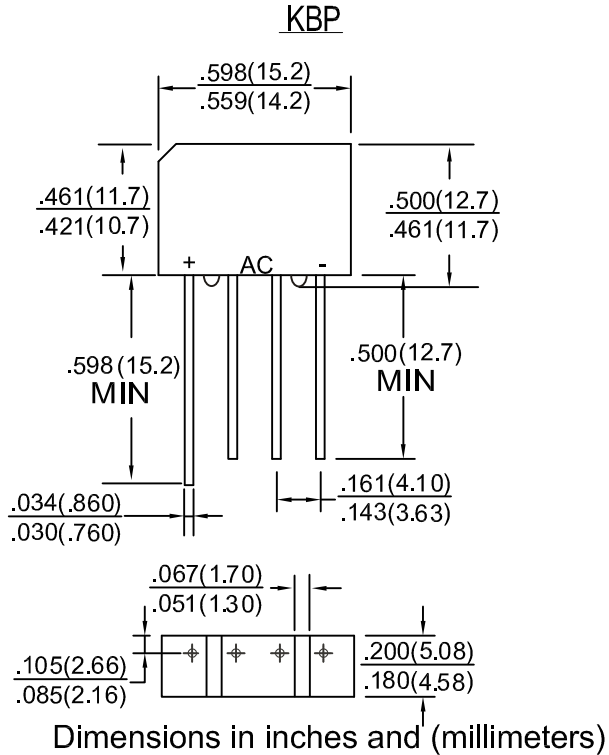
SINGLE PHASE SILICON BRIDGE RECTIFIERS

FEATURES:

- Ideal for printed circuit board mounting
- The plastic material carries Underwriters Laboratory flammability recognition 94V-0
- Built-in printed circuit board stand-offs
- High case dielectric strength
- High temperature soldering guaranteed 265°C /10 seconds

MECHANICAL DATA

Case : Reliable low cost construction utilizing
 Terminals : Plated leads solderable per MIL-STD-202,
 Method 208
 Mounting Position : Any
 Weight : 0.065 ounce, 2.2grams



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 | KBP 201 | KBP 202 | KBP 203 | KBP 204 | KBP 206 | KBP 208 | KBP 210 | 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 | 2.0 | | | | | | | Amps |
| Peak forward surge current single sine-wave on rated load(JEDEC Method) | I _{FSM} | 60 | | | | | | | Amps |
| Maximum instantaneous forward voltage drop per leg at 2.0 A | V _F | 1.1 | | | | | | | Volts |
| Maximum DC reverse current at rated DC blocking voltage per leg | I _R | 10 200.0 | | | | | | | μ A |
| Typical thermal resistance | R _{th-JL} | 25 | | | | | | | °C/W |
| Operating junction and storage temperature range | T _j , T _{stg} | -50 to +150 | | | | | | | °C |

