



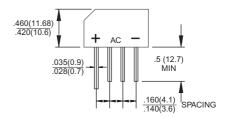


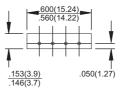
Features

- ♦ UL Recognized File # E-96005
- ♦ Glass passivated junction
- ♦ Ideal for printed circuit board
- Reliable low cost construction technique results in inexpensive product
- High temperature soldering guaranteed: 260 °C / 10 seconds at 5 lbs. (2.3 Kg) tension
- Small size, simple installation Leads solderable per MIL-STD-202, Method 208

KBP301G - KBP307G

Single Phase 3.0 AMPS. Glass Passivated Bridge Rectifiers **KBP**





Dimensions in inches and (millimeters)

Maximum Ratings and Electrical Characteristics

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

Type Number	Symbol	KBP 301G	KBP 302G	KBP 303G	KBP 304G	KBP 305G	KBP 306G	KBP 307G	Units
Maximum Recurrent Peak Reverse Voltage	V_{RRM}	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	V_{RMS}	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	V_{DC}	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current @T _A = 50 °C	I _(AV)	3.0							Α
Peak Forward Surge Current, 8.3 ms Single Half Sine-wave Superimposed on Rated Load (JEDEC method)	I _{FSM}	80							Α
Maximum Instantaneous Forward Voltage @ 3.0A	V _F	1.1							V
Maximum DC Reverse Current @ T_A =25 °C at Rated DC Blocking Voltage @ T_A =125 °C	I _R	10 500							uA uA
Typical Thermal Resistance (Note 1)	$R_{ heta JA} \ R_{ heta JL}$	30 11							°C/W
Operating Temperature Range	TJ	-55 to +150							°C
Storage Temperature Range	T _{STG}	-55 to +150							°C

Note: Thermal Resistance from Junction to Ambient and from Junction to Lead Mounted on PCB with 0.4" x 0.4" (10mm x 10mm) Copper Pads.



RATINGS AND CHARACTERISTIC CURVES (KBP301G THRU KBP307G)

