





Features

- ♦ UL Recognized File # E-326243
- ♦ Glass passivated junction
- ♦ Ideal for printed circuit board
- ♦ Reliable low cost construction
- ♦ High surge current capability
- High temperature soldering guaranteed: 260 °C / 10 seconds at 5 lbs., (2.3 kg) tension
- ♦ Small size, simple installation
- Green compound with suffix "G" on packing code & prefix "G" on datecode.

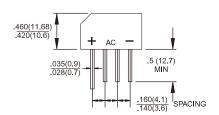
Mechanical Data

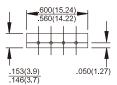
- ♦ Case : Molded Plastic
- Terminal : Leads solderable per MIL-STD-202 Method 208
- ♦ Weight:1.52 grams

KBP101G - KBP107G

Single Phase 1.0 AMP. Glass Passivated Bridge Rectifiers

KBP





Dimensions in inches and (millimeters)



KBP10XG = Specific Device Code G = Green Compound

Y = Year WW = Work Week

Maximum Ratings and Electrical Characteristics

Rating at $25\,^{\circ}$ 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 101G	KBP 102G	KBP 103G	KBP 104G	KBP 105G	KBP 106G	KBP 107G	Units
Maximum Recurrent Peak Reverse Voltage	VRRM	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	VRMS	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	VDC	50	100	200	400	600	800	1000	٧
Maximum Average Forward Rectified Current @T _A = 50 °C	I F(AV)	1.0							А
Peak Forward Surge Current, 8.3 ms Single Half Sine-wave Superimposed on Rated Load (JEDEC method)	I FSM	30							А
Maximum Instantaneous Forward Voltage @ 1.0A	VF	1.0							٧
Maximum DC Reverse Current @ T _A =25 °C at Rated DC Blocking Voltage @ T _A =125 °C (Note1)	I R	10 500							uA uA
Typical Thermal resistance (Note2)	Røja Røjl	28 10							°C/W
Operating Temperature Range	TJ	-55 to +150							°C
Storage Temperature Range	Тѕтс	-55 to +150							°C

Note: 1. Pulse Test with PW=300 usec,1% Duty Cycle

2. Mounted on P.C.B. with 0.2" x 0.2" (5 x 5mm) Copper Pads.

Version: C10



RATINGS AND CHARACTERISTIC CURVES (KBP101G THRU KBP107G)

