

2KBPO05G Thru 2KBP10G



2 AMP GLASS PASSIVATED SILICON BRIDGE RECTIFIER

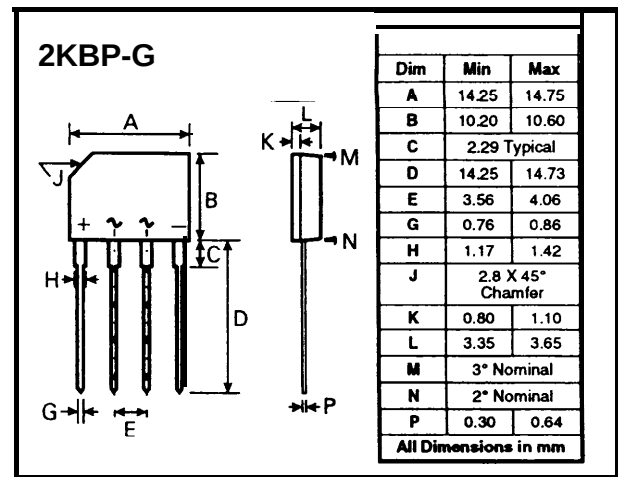
FEATURES

- Rating to 1000V PRV
- Surge overload rating to 65 Amperes peak
- Ideal for printed circuit board
- Reliable low cost construction utilizing molded plastic technique results in inexpensive product
- UL recognized: File #EI06441
- UL recognized 94V-0 plastic material

Mechanical Data

- Case: Molded plastic
- Leads: Tin plated copper
- Leads solderable per MIL-STD-202, Method 208
- Weight: 0.05 ounce, 1.52 grams

Outline Drawing



Maximum Ratings & Characteristics

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

		2KBP 0056	2KBP 01G	2KBP 02G	2KBP 04G	2KBP 06G	2KBP 08G	2KBP 10G	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	VOC	60	100	200	400	600	800	1000	v
Maximum Average Forward Output Current	(Av) @ TA = 65°C	2.0							A
Peak Forward Surge Current 8.3 ms Single Half-Sine-Wave Superimposed On Rated Load	IFSM	65							A
Maximum DC Forward Voltage Drop per Element At 1.0A DC	VF	1.1							V
Maximum DC Reverse Current At Rated @ TA = 25°C	IR	5							µA
DC Blocking Voltage per Element @ TA = 125°C		500							V
I ₂ t Rating for Fusing (t ≤ 8.3ms)	I ₂ t	17.5							A ² S
Typical Junction Capacitance Per Element *	CJ	25							PF
Typical Thermal Resistance **	RCm J-Q	14							°C/W
Operating Temperature Range	TJ	-55 to +150							°C
Storage Temperature Range	TSTG	-55 to +150							°C

Notes: *Measured at 1.0MHZ and applied reverse voltage of 4.0V DC

. * Thermal resistance junction to case