2KBPOO5G Thru 2KBP10G

2 AMP GLASS PASSIVATED SILICON BRIDGE RECTIFIER

FEATURES

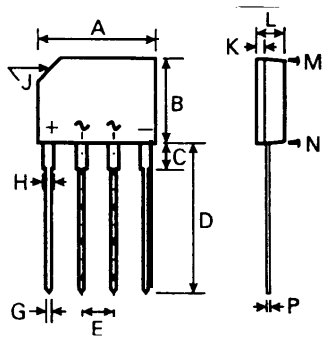
- Rating to lOOOV PRV
- Surge overload rating to 65 Amperes peak
- Ideal for printed circuit board
- Reliable low cost construction utilizing molded plastic technique results in inexpensive product
- UL recognized: File #El06441
- UL recognized 94V-0 plastic material

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

2KBP-G



Dim	Min	Max
A	14.25	14.75
B	10.20	10.60
C	2.29 Typical	
D	14.25	14.73
E	3.56	4.06
G	0.76	0.86
H	1.17	1.42
J	2.8 X 45° Chamfer	
K	0.80	1.10
L	3.35	3.65
M	3° Nominal	
N	2° Nominal	
P	0.30	0.64
All Dimensions in mm		

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 OIG	2KBP 02G	2KBP 04G	2KBP 06G	2KBP 086	',yGp	Units
Maximum Recurrent Peak Reverse Voltage	VRRM	50	1ØØ	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 @ TA = 65°C Outout Current	' (Av)	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 .OA DC	VF	1.1							V
Maximum DC Reverse Current At Rated@ TA = 25°C DC Blocking Voltage per Element @TA= 125°C	IR	5 500							CLA
I2 t Rating for Fusing (t c 8.3ms)	I2 t	17.5							A2 S
Typical Junction Capacitance Per Element *	CJ	25							PF
Typical Thermal Resistance '*	RCm J-Q	14							"CMI
Operating Temperature Range	TJ	-55 to +150							"C
Storage Temperature Range	TSTG	-55 to +150							"C

Notes: *Measured at 1 .OMHZ and applied reverse voltage of 4.OV DC

. * Thermal resistance junction to case