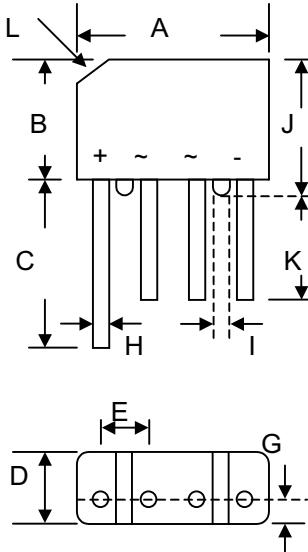


Features

- Glass Passivated Die Construction
- Low Forward Voltage Drop
- High Current Capability
- High Reliability
- High Surge Current Capability
- Ideal for Printed Circuit Boards
- UL Recognized File # E223064

Mechanical Data

- Case: Molded Plastic
- Terminals: Plated Leads Solderable per MIL-STD-202, Method 208
- Polarity: As Marked on Body
- Weight: 1.7 grams (approx.)
- Mounting Position: Any
- Marking: Type Number



KBP				
Dim	Min	Max	Min	Max
A	14.22	15.24	0.560	0.6
B	10.67	11.68	0.420	0.460
C	15.2	—	0.598	—
D	4.57	5.08	0.180	0.2
E	3.60	4.10	0.142	0.161
G	2.16	2.67	0.085	0.105
H	0.76	0.86	0.030	0.034
I	1.52	—	0.060	—
J	11.68	12.7	0.460	0.5
K	12.7	—	0.5	—
L	3.2 X 45°C Typical		0.126 X 45°C Typical	
	In mm		In inch	

Maximum Ratings and Electrical Characteristics @T_A=25°C unless otherwise specified

Single Phase, half wave, 60Hz, resistive or inductive load.

For capacitive load, derate current by 20%.

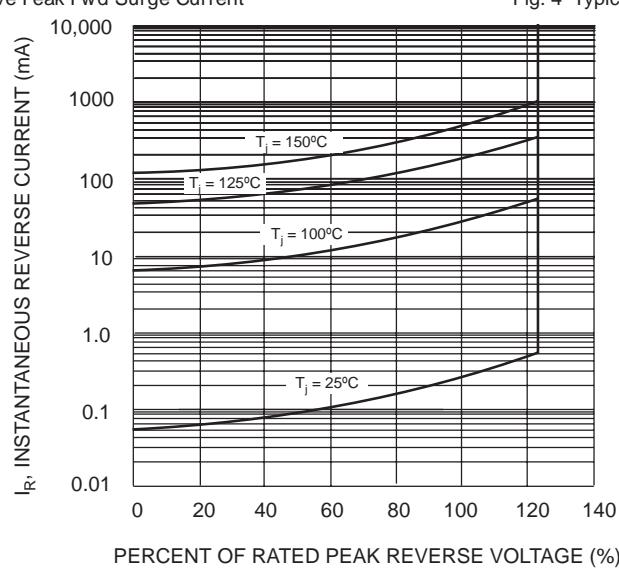
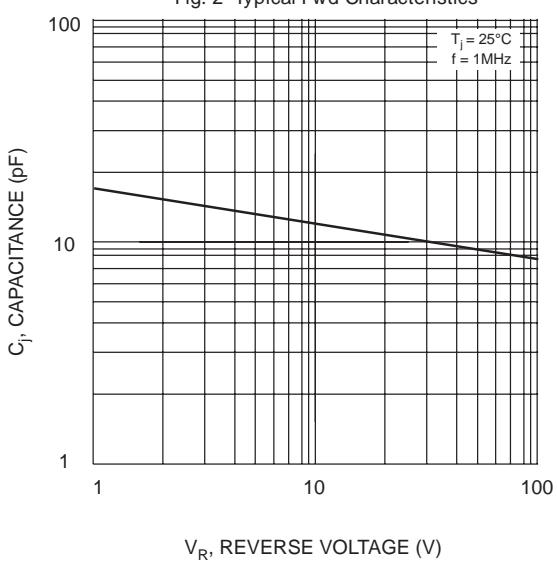
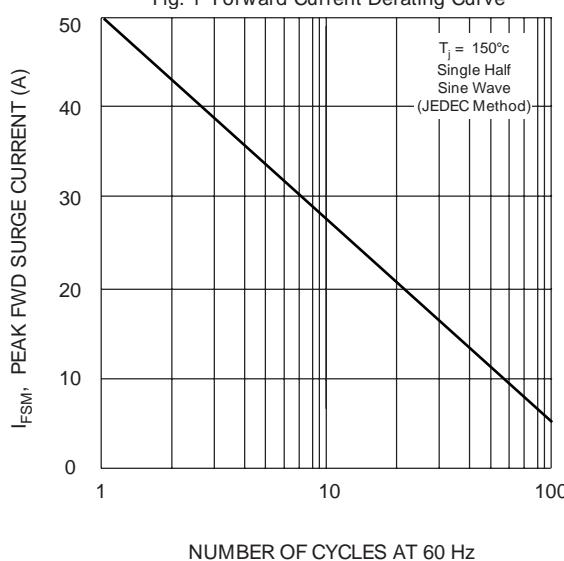
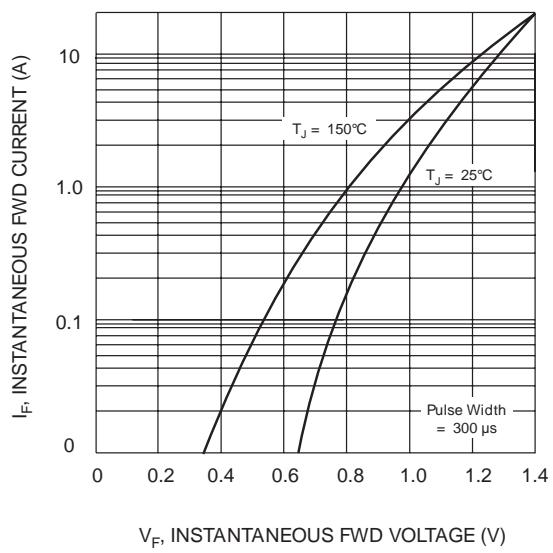
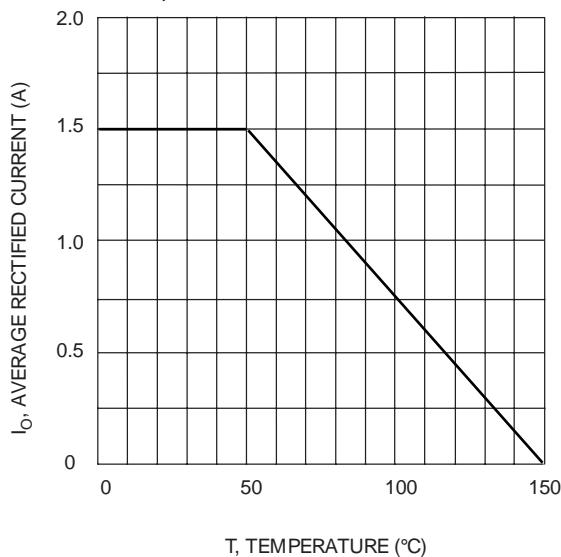
Characteristic	Symbol	KBP 005M	KBP 01M	KBP 02M	KBP 04M	KBP 06M	KBP 08M	KBP 10M	Unit
Peak Repetitive Reverse Voltage	V _{RRM}								
Working Peak Reverse Voltage	V _{RWM}	50	100	200	400	600	800	1000	V
DC Blocking Voltage	V _R								
RMS Reverse Voltage	V _R (RMS)	35	70	140	280	420	560	700	V
Average Rectified Output Current (Note 1)	I _o								A
@T _A = 50°C									
Non-Repetitive Peak Forward Surge Current 8.3ms Single half sine-wave superimposed on rated load (JEDEC Method)	I _{FSM}								A
Forward Voltage (per element)	V _{FM}								V
Peak Reverse Current @T _A = 25°C At Rated DC Blocking Voltage	I _{RM}								µA
Rating for Fusing (t<8.3ms)	I _t ²								A ² s
Typical Junction Capacitance per element (Note 2)	C _j								pF
Typical Thermal Resistance (Note 3)	R _{θJA}								K/W
Operating and Storage Temperature Range	T _j , T _{STG}								°C
		-55 to +150							

Note: 1. Leads maintained at ambient temperature at a distance of 9.5mm from the case.

2. Measured at 1.0 MHz and applied reverse voltage of 4.0V D.C.

3. Thermal resistance junction to ambient mounted on PC board with 12mm² copper pad.

Data Sheet 1343, Rev. A



TECHNICAL DATA

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