
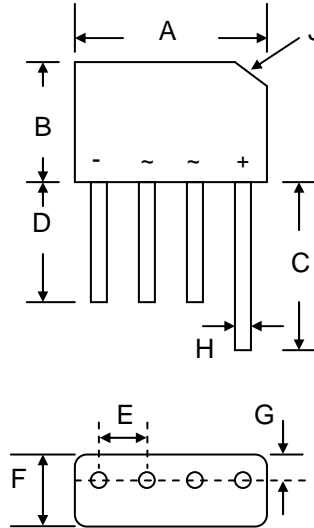


Features

- Glass Passivated Die Construction
- Low Forward Voltage Drop
- High Current Capability
- High Reliability
- High Surge Current Capability
- Ideal for Printed Circuit Boards
-  Recognized File # E157705



KBPM		
Dim	Min	Max
A	14.22	15.24
B	10.60	11.68
C	15.20	—
D	12.70	—
E	3.60	4.10
F	3.70	3.90
G	1.27 Typical	
H	0.70	0.90
J	3.2 x 45° Typical	
All Dimensions in mm		

Mechanical Data

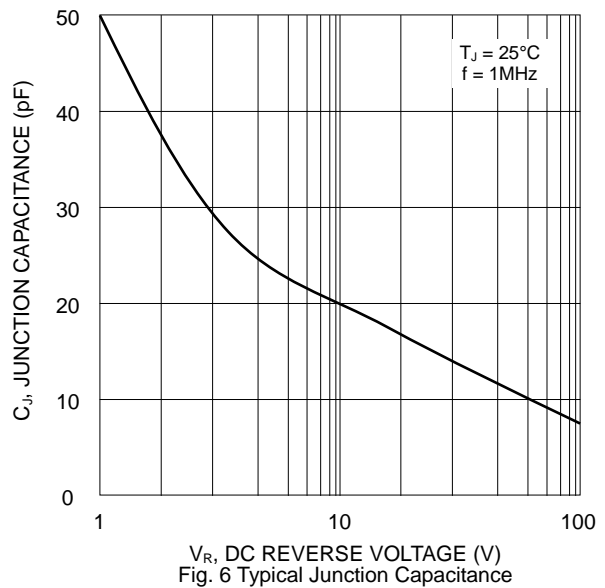
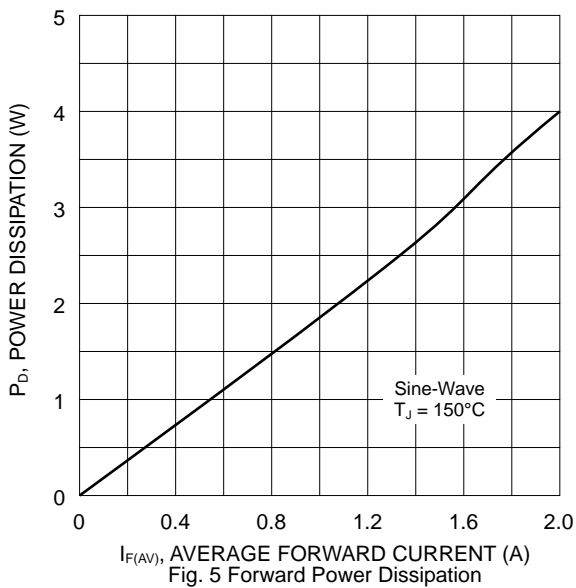
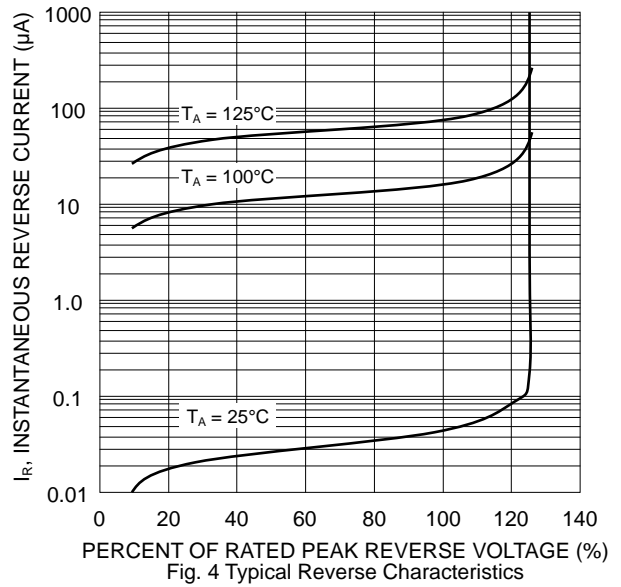
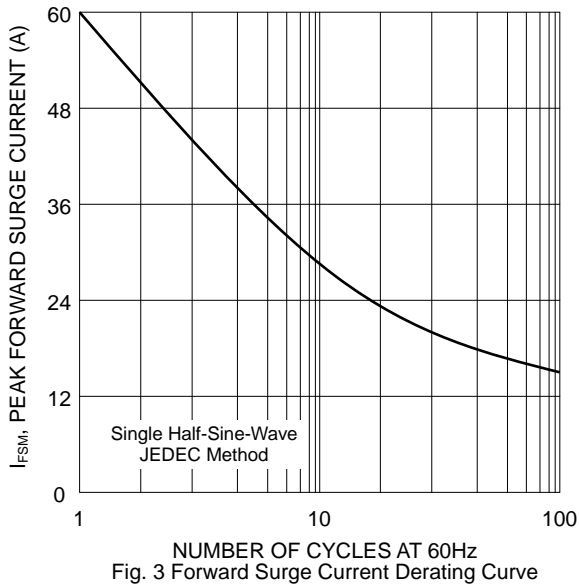
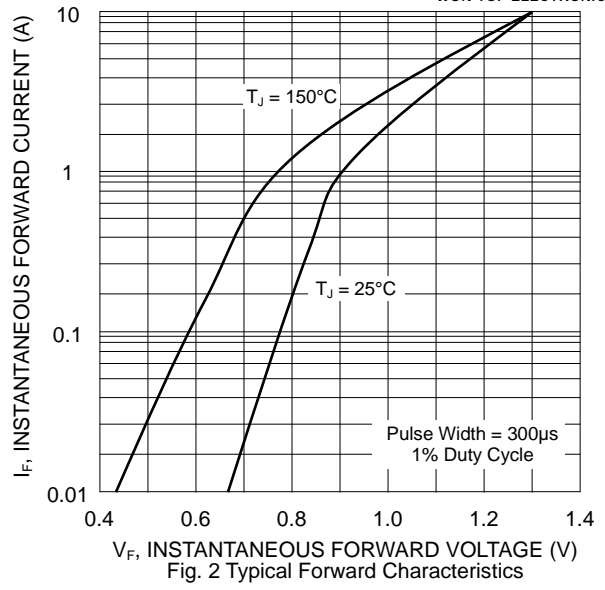
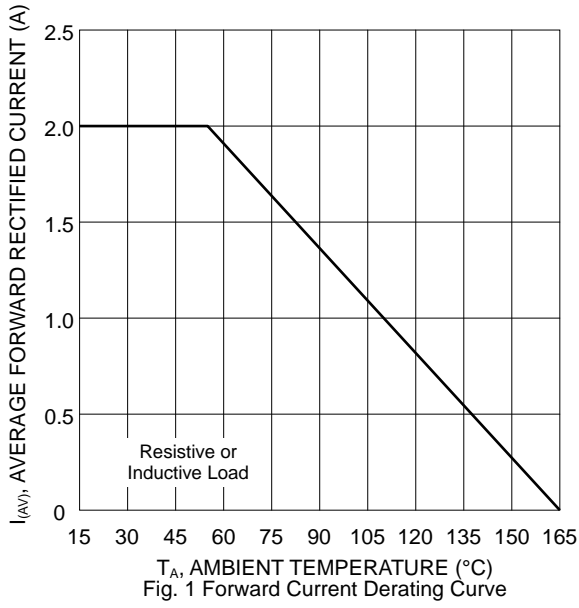
- Case: KBPM, Molded Plastic
- Terminals: Plated Leads Solderable per MIL-STD-202, Method 208
- Polarity: As Marked on Body
- Weight: 1.7 grams (approx.)
- Mounting Position: Any
- Marking: Type Number
- **Lead Free: For RoHS / Lead Free Version, Add “-LF” Suffix to Part Number, See Page 4**

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

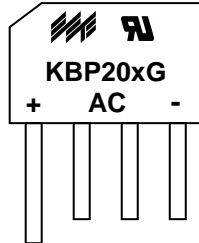
Single Phase, half wave, 60Hz, resistive or inductive load. For capacitive load, derate current by 20%.

Characteristic	Symbol	KBP 200G	KBP 201G	KBP 202G	KBP 204G	KBP 206G	KBP 208G	KBP 2010G	Unit
Peak Repetitive Reverse Voltage	V _{RRM}								V
Working Peak Reverse Voltage	V _{RWM}	50	100	200	400	600	800	1000	
DC Blocking Voltage	V _R								
RMS Reverse Voltage	V _{R(RMS)}	35	70	140	280	420	560	700	V
Average Rectified Output Current @T _A = 55°C	I _O	2.0							A
Non-Repetitive Peak Forward Surge Current 8.3ms Single Half Sine-Wave Superimposed on Rated Load (JEDEC Method)	I _{FSM}	60							A
Forward Voltage per leg @I _F = 2.0A	V _{FM}	1.1							V
Peak Reverse Current @T _A = 25°C At Rated DC Blocking Voltage @T _A = 125°C	I _{RM}	5.0 500							μA
I ² t Rating for Fusing (t < 8.3ms)	I ² t	15							A ² s
Typical Junction Capacitance (Note 1)	C _J	25							pF
Thermal Resistance Junction to Ambient (Note 2)	R _{JA}	30							°C/W
Thermal Resistance Junction to Lead (Note 2)	R _{JL}	11							
Operating and Storage Temperature Range	T _J , T _{STG}	-55 to +165							°C

Note: 1. Measured at 1.0 MHz and applied reverse voltage of 4.0V D.C.
2. Mounted on PCB with 12 x 12mm copper pads and measured at lead length 9.5mm from case.



MARKING INFORMATION



KBP20xG = Device Number
 x = 0, 1, 2, 4, 6, 8 or 10
 Polarity = As Marked on Body

PACKAGING INFORMATION

BULK

Tube Size L x W x H (mm)	Quantity (PCS)	Inner Box Size L x W x H (mm)	Quantity (PCS)	Carton Size L x W x H (mm)	Quantity (PCS)	Approx. Gross Weight (KG)
393 x 35 x 6	25	400 x 140 x 76	1,000	415 x 300 x 185	4,000	12.0

Note: 1. Anti-static tube, water clear color.

ORDERING INFORMATION

Product No.	Package Type	Shipping Quantity
KBP200G	SIL Bridge	25 Units/Tube
KBP201G	SIL Bridge	25 Units/Tube
KBP202G	SIL Bridge	25 Units/Tube
KBP204G	SIL Bridge	25 Units/Tube
KBP206G	SIL Bridge	25 Units/Tube
KBP208G	SIL Bridge	25 Units/Tube
KBP2010G	SIL Bridge	25 Units/Tube

1. Shipping quantity given is for minimum packing quantity only. For minimum order quantity, please consult the Sales Department.
2. **To order RoHS / Lead Free version (with Lead Free finish), add "-LF" suffix to part number above. For example, KBP200G-LF.**

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WARNING: DO NOT USE IN LIFE SUPPORT EQUIPMENT. WTE power semiconductor products are not authorized for use as critical components in life support devices or systems without the express written approval.

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