

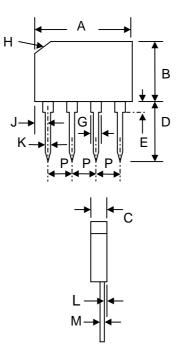
2.0A BRIDGE RECTIFIER

Features

- Diffused Junction
- Low Forward Voltage Drop
- High Current Capability
- High Reliability
- High Surge Current Capability
- Ideal for Printed Circuit Boards

Mechanical Data

- Case: Molded Plastic
- Terminals: Plated Leads Solderable per MIL-STD-202, Method 208
- Polarity: As Marked on Body
- Weight: 2.0 grams (approx.)
- Mounting Position: Any
- Marking: Type Number



KBJ-2						
Dim	Min	Max				
Α	19.7	20.3				
В	10.7	11.3				
С	3.8	—				
D	13.0	14.0				
Е	2.3	2.7				
G	1.65	_				
н	3.17 x 45°					
J	2.3	2.7				
К	0.9	1.14				
L	0.8	1.2				
М	_	0.51				
Р	4.8	5.3				
All Dimensions in mm						

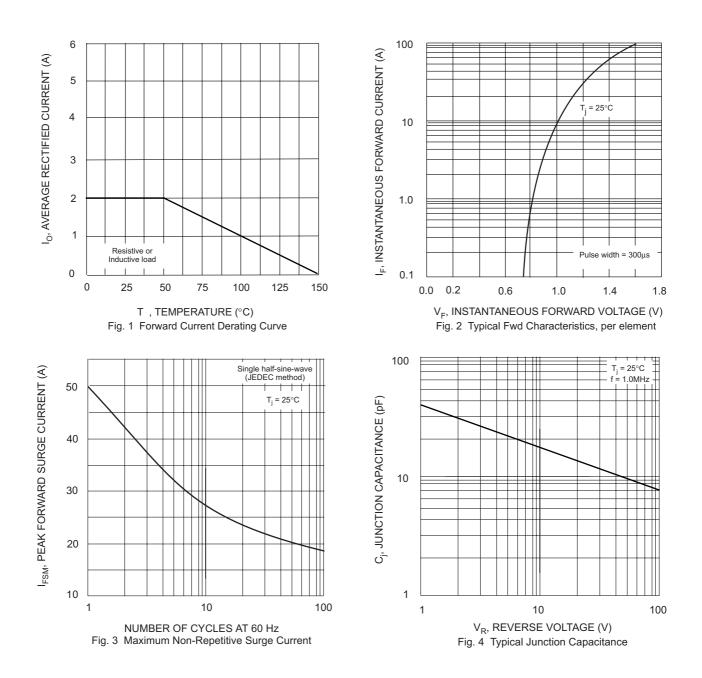
Maximum Ratings and Electrical Characteristics @T_A=25°C unless otherwise specified

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

Characteristic	Symbol	KBJ2A	KBJ2B	KBJ2D	KBJ2G	KBJ2J	KBJ2K	KBJ2M	Unit
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage	Vrrm Vrwm Vr	50	100	200	400	600	800	1000	V
RMS Reverse Voltage	VR(RMS)	35	70	140	280	420	560	700	V
Average Rectified Output Current $@T_A = 50^{\circ}C$	lo	2.0						А	
Non-Repetitive Peak Forward Surge Current 8.3ms Single half sine-wave superimposed on rated load (JEDEC Method)	IFSM	50					A		
I ² t Rating for Fusing (t < 8.35ms)	l ² t	32					A ² s		
Forward Voltage (per diode) $@I_F = 1.0A$	Vfm	1.0					V		
Peak Reverse Current $@T_A = 25^{\circ}C$ At Rated DC Blocking Voltage $@T_C = 100^{\circ}C$	IR	10 500					μA		
Typical Thermal Resistance (per leg) (Note 1)	RθJA	47					K/W		
Typical Thermal Resistance (per leg) (Note 2)	Rejc	10					K/W		
Operating and Storage Temperature Range	Tj, TSTG	-55 to +150					°C		

Note: 1. Thermal resistance junction to ambient, mounted on PCB at 9.5mm lead length.

2. Thermal resistance junction to case, mounted on 5.0 x 4.0 x 0.8cm thick AL plate heatsink.



ORDERING INFORMATION

Product No.	Package Type	Shipping Quantity
KBJ2A	SIL Bridge	50 Units/Tube
KBJ2B	SIL Bridge	50 Units/Tube
KBJ2D	SIL Bridge	50 Units/Tube
KBJ2G	SIL Bridge	50 Units/Tube
KBJ2J	SIL Bridge	50 Units/Tube
KBJ2K	SIL Bridge	50 Units/Tube
KBJ2M	SIL Bridge	50 Units/Tube

Shipping quantity given is for minimum packing quantity only. For minimum order quantity, please consult the Sales Department.

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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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