

GLASS PASSIVATED BRIDGE RECTIFIERS

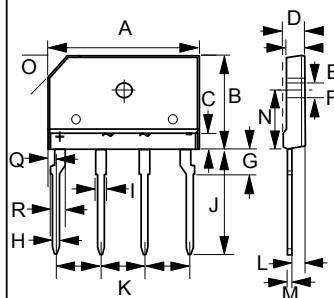
REVERSE VOLTAGE - **400 to 800** Volts
FORWARD CURRENT - **20** Amperes

FEATURES

- Rating to 800V PRV
- Ideal for printed circuit board
- Low forward voltage drop, high current capability.
- Reliable low cost construction utilizing molded plastic technique results in inexpensive product
- The plastic material has UL flammability classification 94V-0
- UL Recognition File # E95060

MECHANICAL DATA

- Polarity : Symbols molded on body
- Weight : 0.16 ounces, 4.6 grams
- Mounting position : Any

KBJ


KBJ		
DIM.	MIN.	MAX.
A	24.80	25.20
B	14.70	15.30
C	3.90	4.10
D	4.40	4.80
E	3.40	3.80
F	3.10 $\varnothing$	3.40 $\varnothing$
G	3.30	3.70
H	0.90	1.10
I	1.50	1.90
J	17.2	17.80
K	7.30	7.70
L	2.50	2.90
M	0.60	0.80
N	9.30	9.70
O	3.0 x 45°	
Q	1.05	1.45
R	1.70	2.10

All Dimensions in millimeter

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

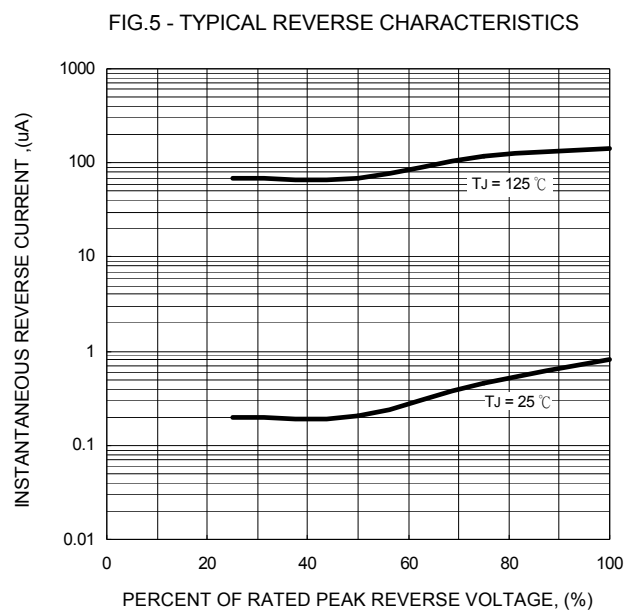
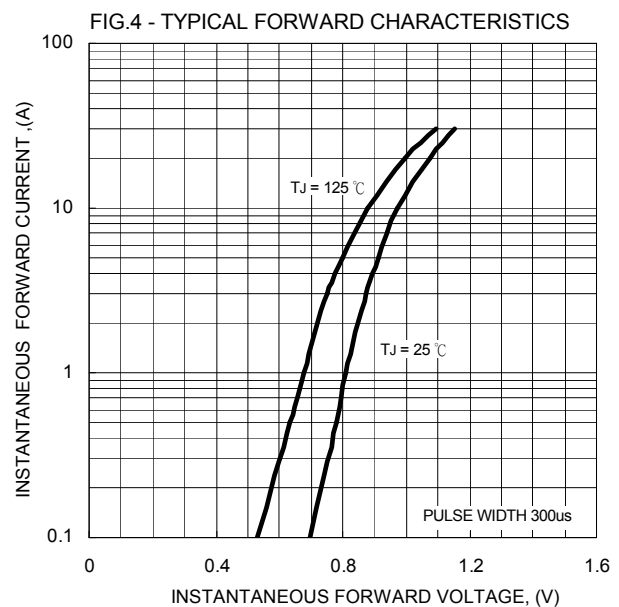
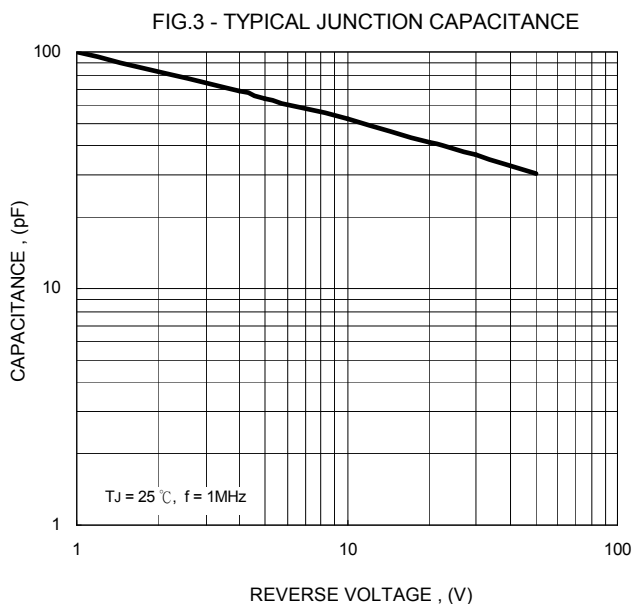
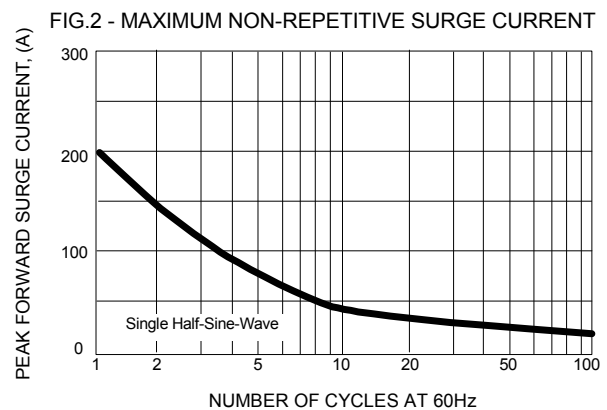
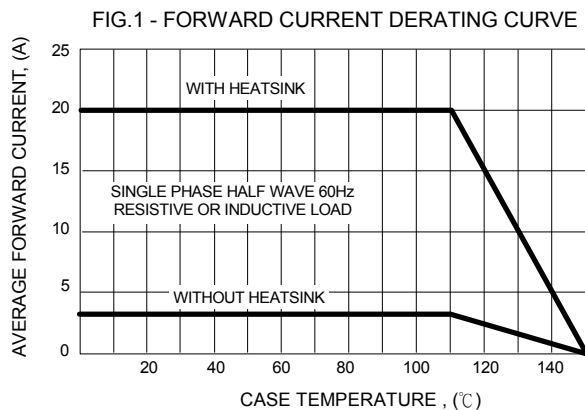
Ratings at 25°C ambient temperature unless otherwise specified.

CHARACTERISTICS	SYMBOL	KBJ2004G	KBJ2006G	KBJ2008G	UNIT
Maximum Recurrent Peak Reverse Voltage	V _{RRM}	400	600	800	V
Maximum DC Blocking Voltage	V _{DC}	400	600	800	V
Maximum Average Forward (with heatsink Note 2) Rectified Current @T _c = 110°C (without heatsink)	I _(AV)	20.0 3.0			A
Peak Forward Surge Current 8.3ms single half sine-wave superimposed on rated load	I _{FSM}	200			A
Maximum forward Voltage at 10.0A DC	V _F	1.1			V
Maximum DC Reverse Current @T _J = 25°C at Rated DC Blocking Voltage @T _J = 125°C	I _R	5 500			uA
I ² t Rating for fusing (t < 8.3ms)	I ² t	166			A ² S
Typical Junction Capacitance per element (Note 1)	C _J	70			pF
Typical Thermal Resistance (Note 2)	R _{θJC}	0.8			°C/W
Mounting Torque (Recommended torque: 0.5 N.m)	TOR	0.8			N.m
Operating Temperature Range	T _J	-55 to +150			°C
Storage Temperature Range	T _{STG}	-55 to +150			°C

NOTES : 1. Measured at 1.0MHz and applied reverse voltage of 4.0V DC.

2. Device mounted on 250mm x 250mm x 20mm Aluminum Plate Heatsink, T_a = 25°C.

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