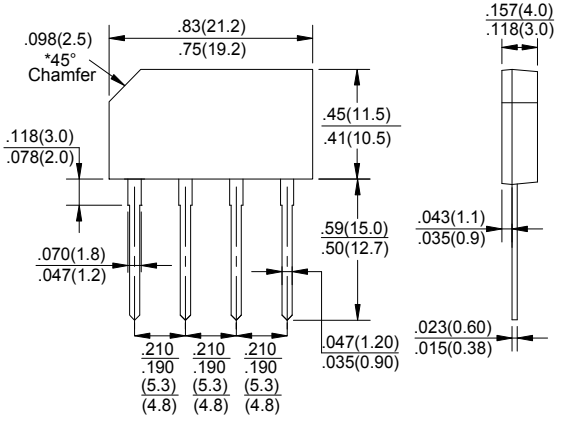
KBJ2005 THRU KBJ210

Bridge Rectifier

Voltage Range - 50 to 1000 Volts Current - 2.0 Ampere

2GBJ



Dimensions in inches and (millimeters)

FEATURES

- Glass passivated chip
- High surge forward current capability

MECHANICAL DATA

Case: Molded plastic body
Lead:Solder plated
Polarity: As marked

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25℃ ambient temperature unless otherwise specified.

Resistive or inductive load,60HZ.

For capacitive load, derate current by 20%

CHARACTERISTICS	SYMBOL	KBJ2005	KBJ201	KBJ202	KBJ204	KBJ206	KBJ208	KBJ210	UNIT
Maximum Recurrent Peak Reverse Voltage	V_{RRM}	50	100	200	400	600	800	1000	V
Maximum RMS Bridge Input Voltage	V_{RMS}	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	V_{DC}	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Output Current @ TA=50 ℃	$I_{(AV)}$	2.0							A
Peak Forward Surge Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load	I_{FSM}	60							A
Maximum Forward Voltage Drop Per Bridge Element at 2.0A Peak	V_F	1.1							V
Maximum Reverse Current at Rated DC Blocking Voltage Per Element	I_R	10.0							μA
Maximum Reverse Current at Rated DC Blocking Voltage Per Element @ TJ=100℃	I_R	1.0							mA
Operating Temperature Range	T_J	-55 to +150							℃
Storage Temperature Range	T_{STG}	-55 to +150							℃

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FIG.1- DERATING CURVE
OUTPUT RECTIFIED CURRENT

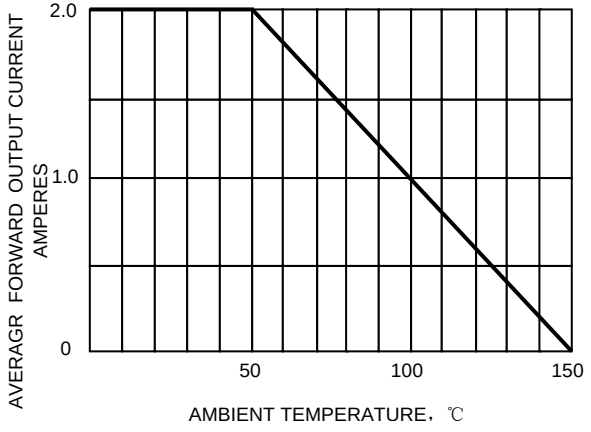


FIG.2-TYPICAL FORWARD
CHARACTERISTICS

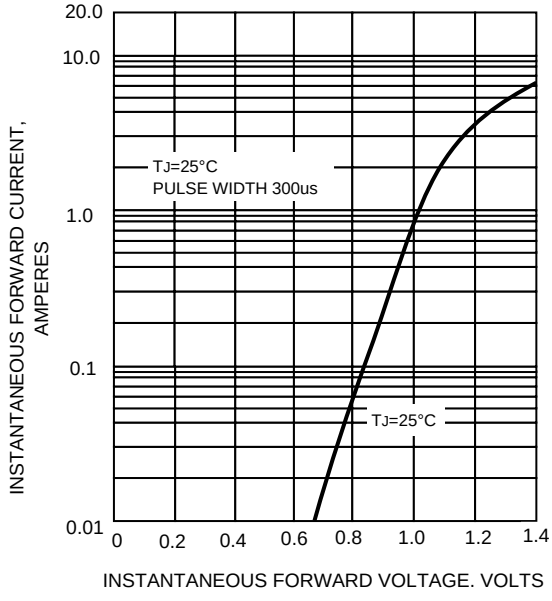


FIG.3-TYPICAL REVERSE
CHARACTERISTICS

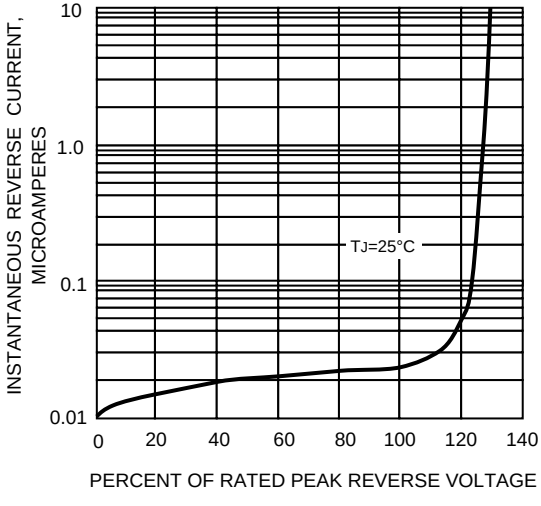
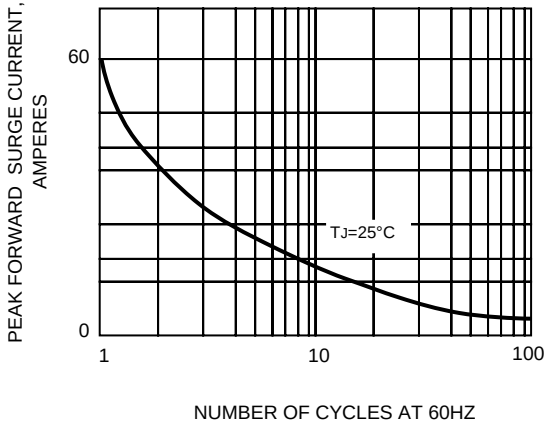


FIG.4-MAXIMUM FORWARD SURGE CURRENT



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