Micro Commercial Components
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KBJ4005G THRU KBJ410G

4 Amp GLASS PASSIVATED BRIDGE RECTIFIERS 50 to 1000 Volts

Features

- Diffused Junction
- Low Forward Voltage Drop
- High Current Capability
- UL Recognized File # E165989
- Case Material: Molded Plastic. UL Flammability Classification Rating 94V-0

Maximum Ratings

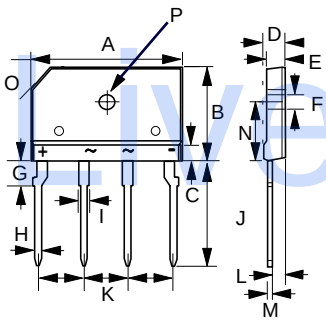
- Operating Junction Temperature: -55°C to + 150°C
- Storage Temperature: -55°C to +150°C

MCC Catalog Number	Device Marking	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
KBJ4005G	KBJ4005G	50V	35V	50V
KBJ401G	KBJ401G	100V	70V	100V
KBJ402G	KBJ402G	200V	140V	200V
KBJ404G	KBJ404G	400V	280V	400V
KBJ406G	KBJ406G	600V	420V	600V
KBJ408G	KBJ408G	800V	560V	800V
KBJ410G	KBJ410G	1000V	700V	1000V

Electrical Characteristics @ 25°C Unless Otherwise Specified

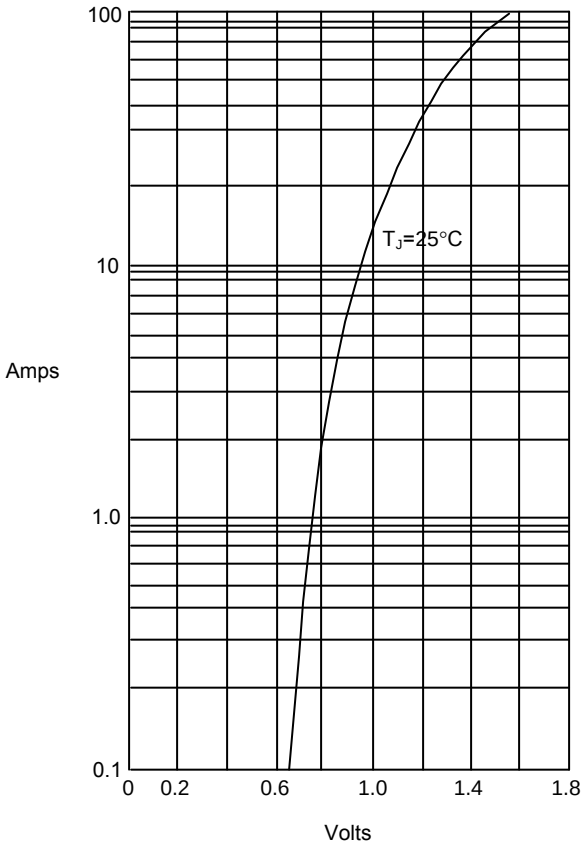
Average Forward Current	$I_{F(AV)}$	4.0A	T_C = 100°C
Peak Forward Surge Current	I_{FSM}	150A	8.3ms, half sine
Maximum Forward Voltage Drop Per Element	V_F	1.0V	I_{FM} = 2.0A per element; T_A = 25°C*
Maximum DC Reverse Current At Rated DC Blocking Voltage	I_R	10µA 500µA	T_A = 25°C T_C = 100°C
I^2t Rating for fusing	I^2t	93A^{2}S	(t<8.3ms)

KBJ



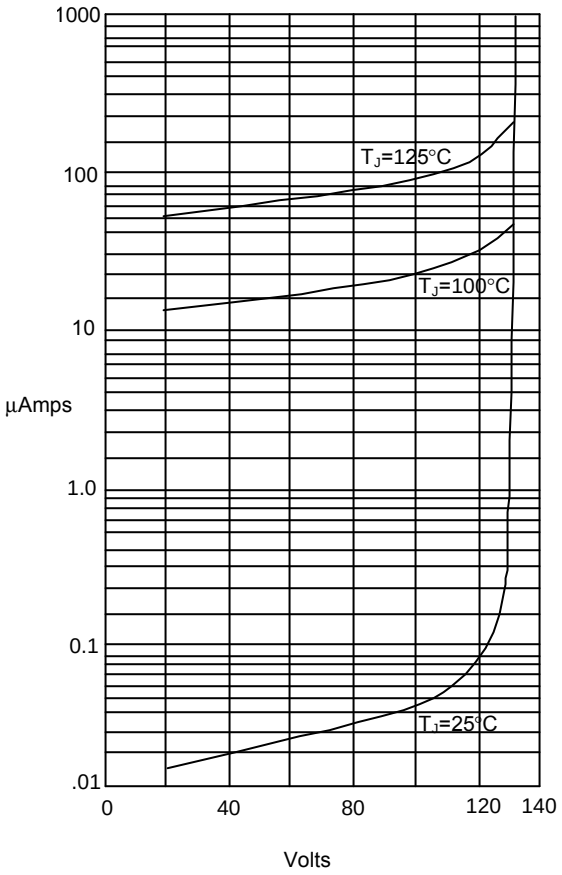
DIMENSIONS					
	INCHES		MM		
DIM	MIN	MAX	MIN	MAX	NOTE
A	.976	.992	24.80	25.20	
B	.579	.602	14.70	15.30	
C	.154	.161	3.90	4.10	
D	.173	.189	4.40	4.80	
E	.134	.150	3.40	3.80	
F	.122	.134	3.10	3.40	∅
G	.130	.146	3.30	3.70	
H	.035	.043	0.90	1.10	
I	.059	.075	1.50	1.90	
J	.677	.700	17.20	17.80	
K	.287	.303	7.30	7.70	
L	.098	.114	2.50	2.90	
M	.024	.031	0.60	0.80	
N	.366	.381	9.30	9.70	
O	.118X45°		3.0X45°		
P	.122	.134	3.10	3.40	∅

Figure 1
Typical Forward Characteristics



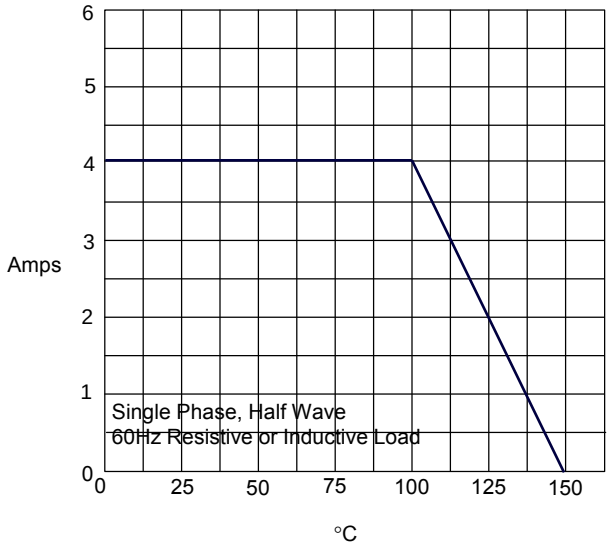
Instantaneous Forward Current - Amperes *versus*
Instantaneous Forward Voltage - Volts

Figure 2
Typical Reverse Characteristics



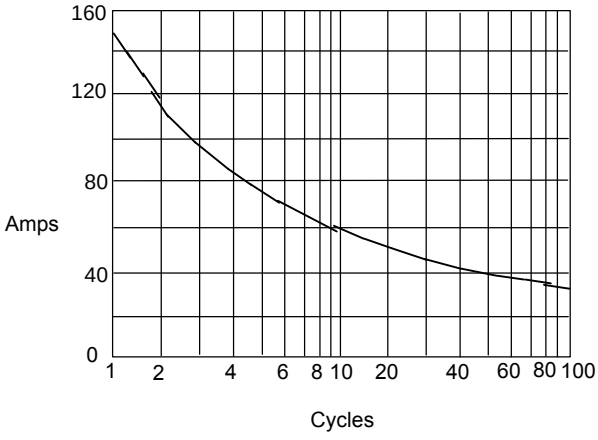
Instantaneous Reverse Leakage Current - MicroAmperes *versus*
Percent Of Rated Peak Reverse Voltage - Volts

Figure 3
Forward Derating Curve



Average Forward Rectified Current - Amperes *versus*
Ambient Temperature -°C

Figure 4
Peak Forward Surge Current



Peak Forward Surge Current - Amperes *versus*
Number Of Cycles At 60Hz - Cycles

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