



Micro Commercial Components



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KBJA6005 THRU KBJA610

6 Amp Glass Passivated Bridge Rectifier 50 to 1000 Volts

Features

- Lead Free Finish/RoHS Compliant (NOTE 1) ("P" Suffix designates RoHS Compliant. See ordering information)
- High surge forward current capability
- Halogen free available upon request by adding suffix "-HF"
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1

Maximum Ratings

- Operating Temperature: -55°C to +150°C
- Storage Temperature: -55°C to +150°C
- Mounting Torque: 0.5 N•m
- UL Recognized File # E165989

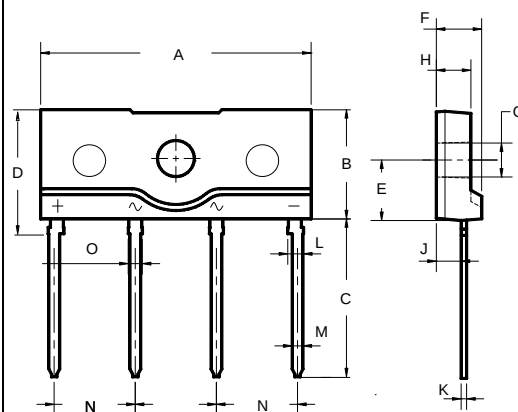
MCC Catalog Number	Device Marking	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
KBJA6005	KBJA6005	50V	35V	50V
KBJA601	KBJA601	100V	70V	100V
KBJA602	KBJA602	200V	140V	200V
KBJA604	KBJA604	400V	280V	400V
KBJA606	KBJA606	600V	420V	600V
KBJA608	KBJA608	800V	560V	800V
KBJA610	KBJA610	1000V	700V	1000V

Electrical Characteristics @ 25°C Unless Otherwise Specified

Average Forward Current	$I_{F(AV)}$	6 A	$T_C = 100^\circ\text{C}$
Peak Forward Surge Current	I_{FSM}	135A	8.3ms, half sine
Maximum Instantaneous Forward Voltage	V_F	1.05V	$I_{FM} = 3.0A$ $T_J = 25^\circ\text{C}$
Maximum DC Reverse Current At Rated DC Blocking Voltage	I_R	10 μA	$T_a = 25^\circ\text{C}$
I^2t Rating for fusing	I^2t	75A ² S	(1ms < t < 8.3ms)
Thermal Resistance	R_{thJA} R_{thJC}	26°C/W 3.4°C/W	

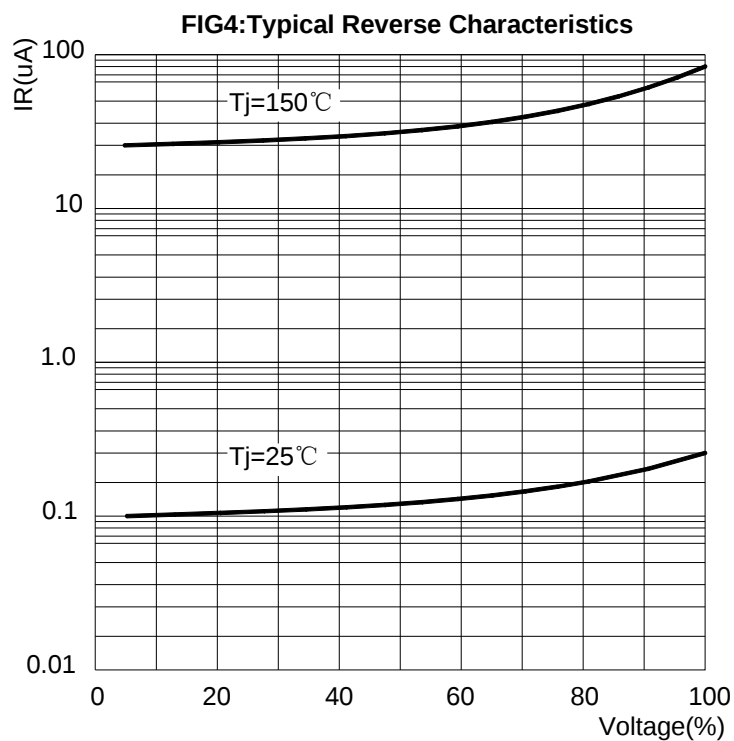
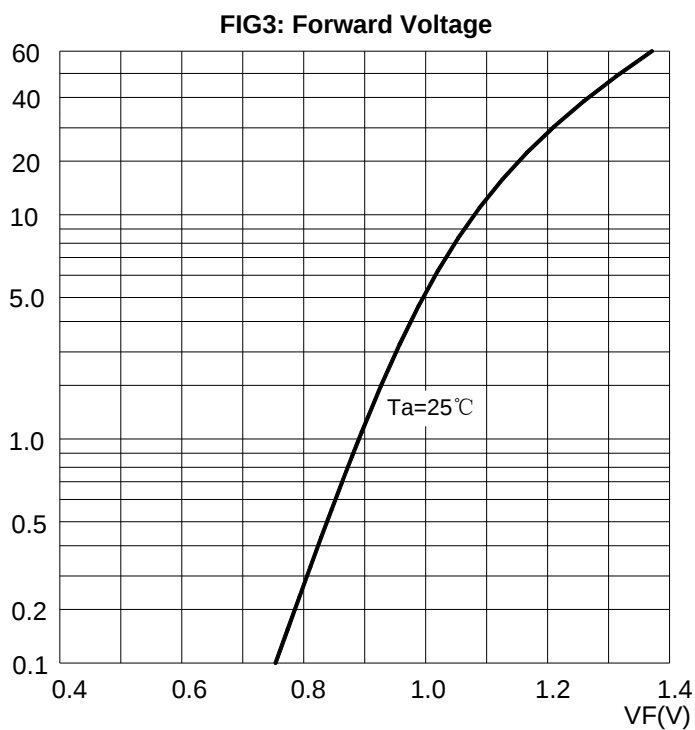
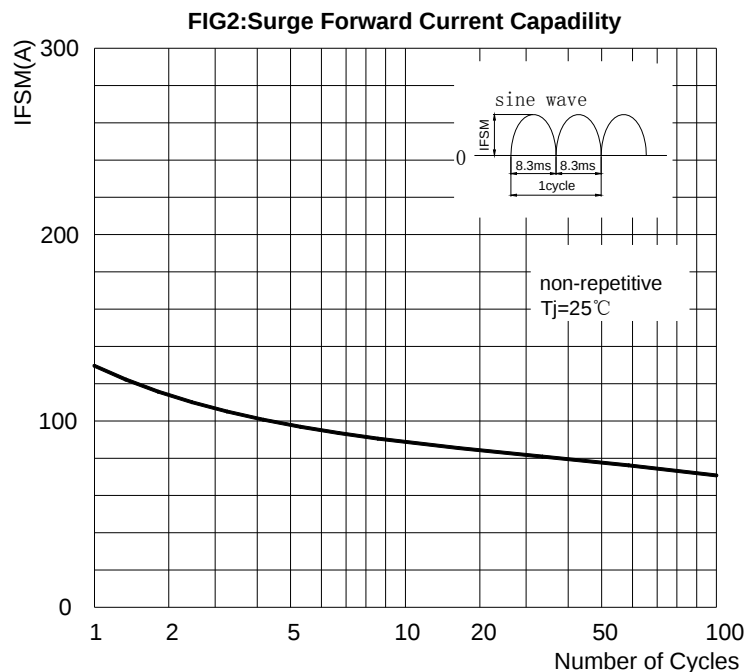
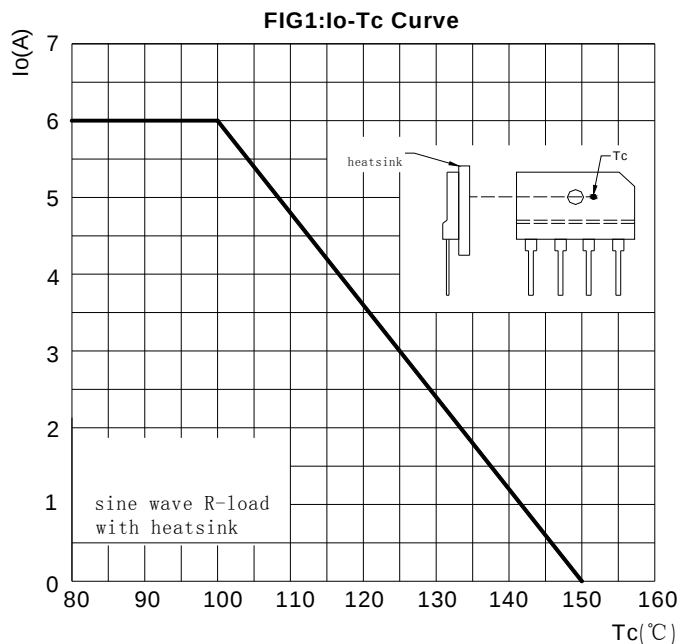
Notes: 1. High Temperature Solder Exemption Applied, see EU Directive Annex Notes 7

JB



DIMENSIONS					
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	.972	.996	24.70	25.30	
B	.394	.417	10.00	10.60	
C	.575	.598	14.60	15.20	
D	.449	.472	11.40	12.00	
E	.213	.236	5.40	6.00	
F	.154	.177	3.90	4.50	
G	.122	.134	3.10	3.40	
H	.114	.138	2.90	3.90	
J	.079	.102	2.00	2.60	
K	.012	.024	0.40	0.60	
L	.053	.061	1.35	1.55	
M	.035	.043	0.90	1.10	
N	.287	.303	7.30	7.70	
O	.047	.055	1.20	1.40	

Characteristics(Typical)



Ordering Information :

Device	Packing
Part Number-BP	Bulk: 2.0K/Ctn

Note : Adding "-HF" suffix for halogen free, eg. Part Number-BP-HF

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