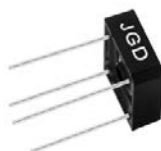
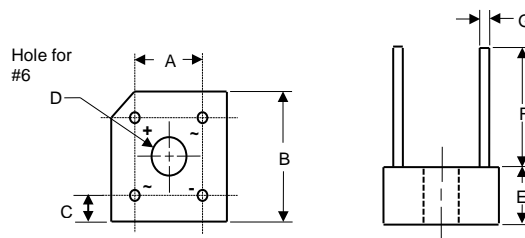


Features

- * $I_o = 3.0A$
- * $V_{RRM}: 50V \sim 1000V$
- * Glass passivated chip
- * High surge forward current capability



RoHS
COMPLIANT



KBPC3				
DIM	INCHES		MM	
	MIN	MAX	MIN	MAX
A	0.405	0.445	10.3	11.3
B	0.578	0.618	14.70	15.70
C	0.067	0.107	1.70	2.70
D	0.142	0.158	3.60	4.00
E	0.224	0.264	5.70	6.70
F	0.590	---	15.0	---
G	0.030 DIA. TYP		0.76 DIA. TYP	

Applications

- * General purpose 1 phase Bridge rectifier applications

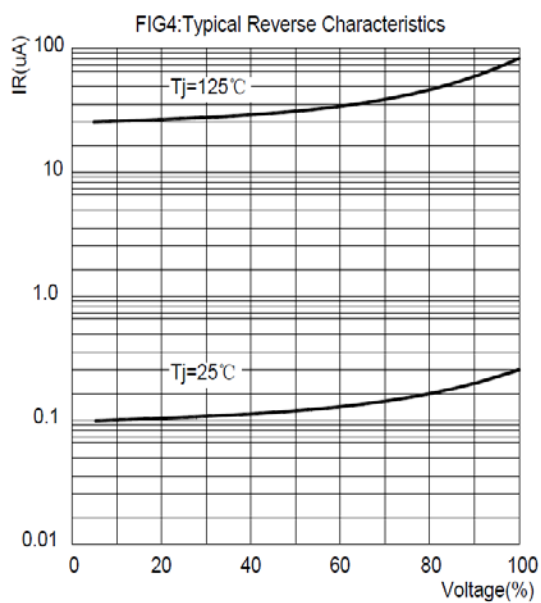
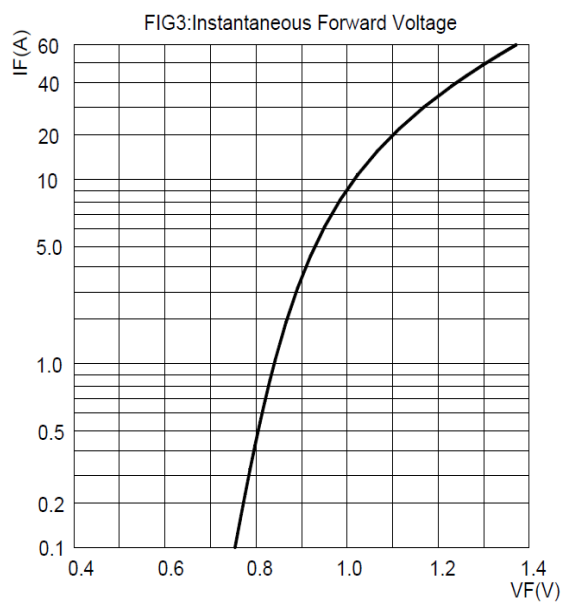
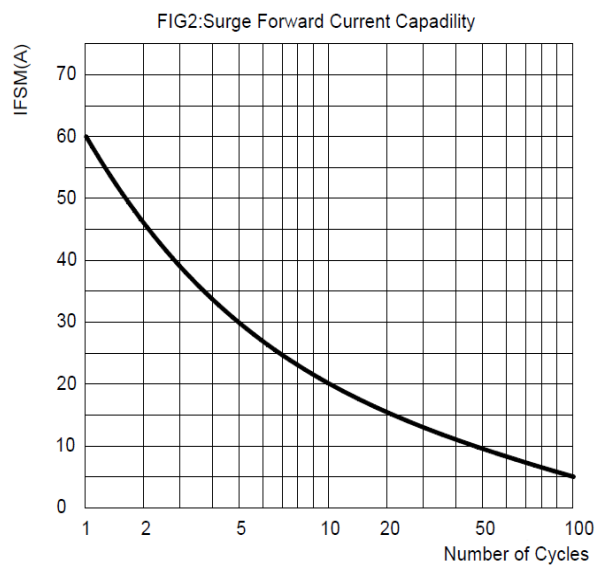
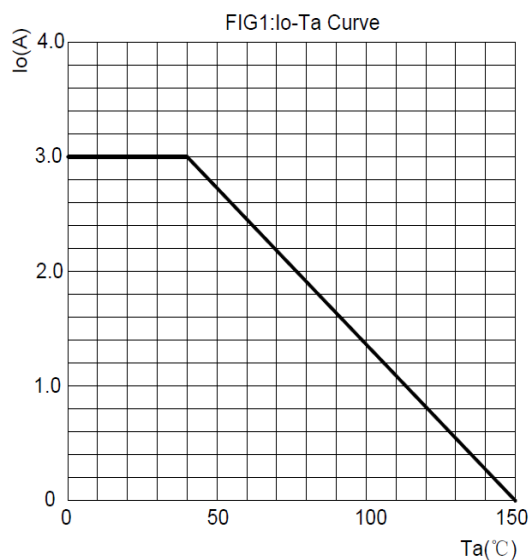
Absolute Maximum Ratings ($T_A=25^\circ C$ unless otherwise noted)

Item	Symbol	Unit	Conditions	KBPC3					
				005	01	02	04	06	08 10
Repetitive Peak Reverse Voltage	V_{RRM}	V		50	100	200	400	600	800 1000
Average Rectified Output Current	I_o	A	60HZ sine wave, R- load, $T_a=40^\circ C$	3.0					
Surge(Non-repetitive) Forward Current	I_{FSM}	A	60Hz sine wave, 1 cycle, $T_a=25^\circ C$	60					
Current Squared Time	I^2t	A^2S	$1ms \leq t < 8.3ms$ $T_j=25^\circ C$, Rating of per diode	15					
Storage Temperature	T_{stg}	$^\circ C$		-55 ~+150					
Junction Temperature	T_j	$^\circ C$		-55 ~+150					

Electrical Characteristics ($T_A=25^\circ C$ unless otherwise noted)

Item	Symbol	Unit	Test Condition	Max
Peak Forward Voltage	V_{FM}	V	$I_{FM}=1.5A$, Pulse measurement, Rating of per diode	1.1
Peak Reverse Current	I_{RRM}	μA	$V_{RM}=V_{RRM}$, Pulse measurement, Rating of per diode	10
Thermal Resistance	$R_{\theta J-A}$	$^\circ C/W$	Between junction and ambient	18

Ratings and Characteristic Curves





KBPC3005 THRU KBPC310

Bridge Rectifiers

Ordering Information

Part No.	Package	Packing Code	Packing
KBPC3005 THRU KBPC310	KBPC3	B02	200pcs/Bulk

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