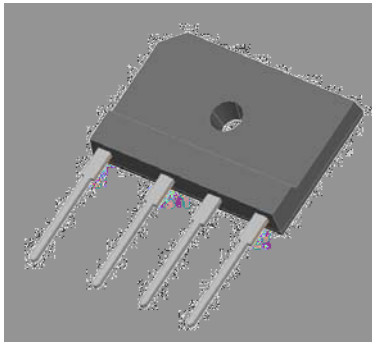




### Bridge Rectifiers



2 and JESD22-B102  
As marked on body



**Maximum Ratings** ( $T_a=25$  Unless otherwise specified)

PARAMETER	SYMBOL	UNIT	GBJ20005A	GBJ2001A	GBJ2002A	GBJ2004A	GBJ2006A	GBJ2008A	GBJ2010A
Device marking code			GBJ20005A	GBJ2001A	GBJ2002A	GBJ2004A	GBJ2006A	GBJ2008A	GBJ2010A
Maximum Repetitive Peak Reverse Voltage	VRRM	V	50	100	200	400	600	800	1000

Current squared time @1ms $t < 8.3ms$ $T_j = 25$ , Rating of per diode	$I^2t$	$A^2s$					425		
Storage te	/	/,	8				S		A



# GBJ20005A THRU GBJ2010A

## Electrical Characteristics $T_a=25$ Unless otherwise specified

PARAMETER	SYMBOL	UNIT	TEST CONDITIONS	GBJ20005A	GBJ2001A	GBJ2002A	GBJ2004A	GBJ2006A	GBJ2008A	GBJ2010A
Maximum instantaneous forward voltage drop per diode	V <sub>F</sub>	V	I <sub>FM</sub> =10.0A				1.0			
Maximum DC reverse current at rated DC blocking voltage per diode	I <sub>R</sub>	μA	T <sub>j</sub> =25				5			
			T <sub>j</sub> =125				100			
Typical junction capacitance	C <sub>j</sub>	pF	Measured at 1MHz and Applied Reverse Voltage of 4.0 V.D.C				100			

## Thermal Characteristics $T_a=25$ Unless otherwise specified

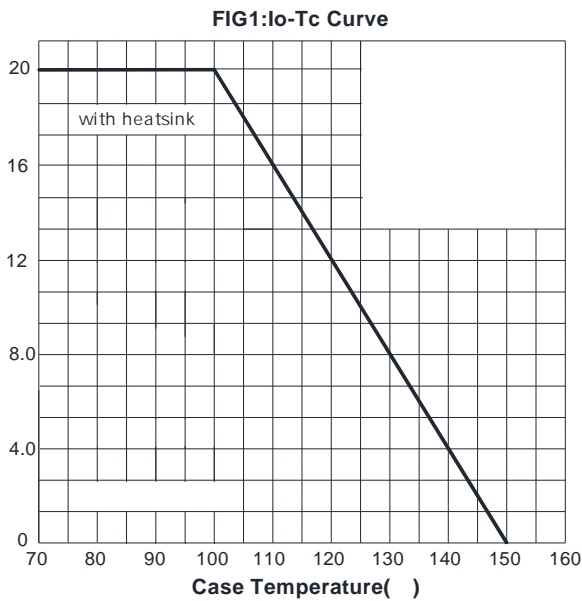
PARAMETER		SYMBOL	UNIT	GBJ20005A	GBJ2001A	GBJ2002A	GBJ2004A	GBJ2006A	GBJ2008A	GBJ2010A
Thermal Resistance	Between junction and ambient, Without heatsink	R <sub>J-A</sub>	/W	18.0						
	Between junction and case, With heatsink	R <sub>J-C</sub>		1.0						

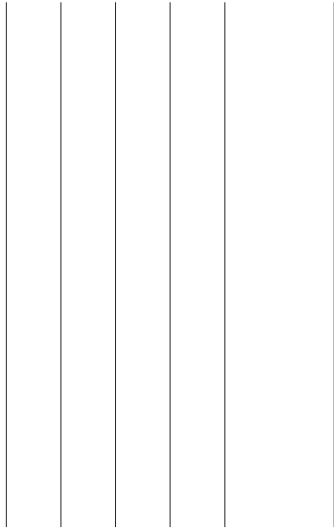
Note: Device mounted on 75mm x 45mm x 5.5mm Aluminum Plate Heatsink.

## Ordering Information (Example)

PREFERRED P/N	PACKING CODE	UNIT WEIGHT(g)	MINIMUM PACKAGE(pcs)	INNER BOX QUANTITY(pcs)	OUTER CARTON QUANTITY(pcs)	DELIVERY MODE
GBJ20005A THRU GBJ2010A	B1	Approximate 6.5	15	750	1500	TUBE

## Characteristics(Typical)





**Outline Dimensions**

<b>6KBJ</b>		
Dim	Min	Max
A	29.7	30.3
B	19.7	20.3
C	17.0	18.0
D	4.8	5.8
E	3.8	4.2
F	7.3	7.7
G	9.8	10.2
H	0.9	1.1
I	2.0	2.4
J	2.3	2.7
K	3.4	3.8
L	4.4	4.8
M	10.8	11.2
N	3.1	3.7
O	3.1	3.4
P	0.6	0.8



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