



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

PARAMETER	
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GBJ10005 THRU GBJ1010

Electrical Characteristics $T_a=25$ Unless otherwise specified

PARAMETER	SYMBOL	UNIT	TEST CONDITIONS	GBJ10005	GBJ1001	GBJ1002	GBJ1004	GBJ1006	GBJ1008	GBJ1010
Maximum instantaneous forward voltage drop per diode	V _F	V	I _{FM} =5.0A				1.0			
Maximum DC reverse current at rated DC blocking voltage per diode	I _R	μA	T _j =25 -				5			
			T _j =125 -				100			
Typical junction capacitance	C _j	pF	Measured at 1MHz and Applied Reverse Voltage of 4.0 V.D.C				53			

Thermal Characteristics $T_a=25$ Unless otherwise specified

PARAMETER		SYMBOL	UNIT	GBJ10005	GBJ1001	GBJ1002	GBJ1004	GBJ1006	GBJ1008	GBJ1010
Thermal Resistance	Between junction and ambient, Without heatsink	R _{J-A}	- /W				18			
	Between junction and case, With heatsink	R _{J-C}					2			

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



Outline Dimensions

6KBJ		
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

Dimensions in millimeters= im



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