■Electrical Characteristics T_a=25 Unless otherwise specified

PARAMETER	SYMBOL	UNIT	TEST CONDITIONS	HGBJ5006
Maximum reverse recovery time	t_{rr}	ns	I_F=0.5A,I_R=1.0A, I_{rr}=0.25A	100
Maximum instantaneous forward voltage drop per diode	V_F	V	I_{FM}=25.0A	4
Maximum DC reverse current at rated DC blocking voltage per diode	I_R	μA	T_j =25	5
			T_j =125	200
Typical junction capacitance	Cj	pF	Measured at 1MHz and Applied Reverse Voltage of 4.0 V.D.C	300

■Thermal Characteristics T_a=25 Unless otherwise specified

PARAMETER		SYMBOL	UNIT	HGBJ5006
Thermal Resistance	Between junction and ambient, Without heatsink	$R_{\theta J-A}$	/W	18.0
	Between junction and case, With heatsink	$R_{\theta J-C}$		1.0

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

■Ordering Information (Example)

PREFERED P/N	PACKING CODE	UNIT WEIGHT(g)	MINIIMUM PACKAGE(pcs)	INNER BOX QUANTITY(pcs)	OUTER CARTON QUANTITY(pcs)	DELIVERY MODE
HGBJ5006	B1	Approximate 6.5	15	750	1500	TUBE
HGBJ5006	A1	Approximate 6.5	250	250	2000	BOX

■ Characteristics (Typical)

FIG1:Io-Tc Curve

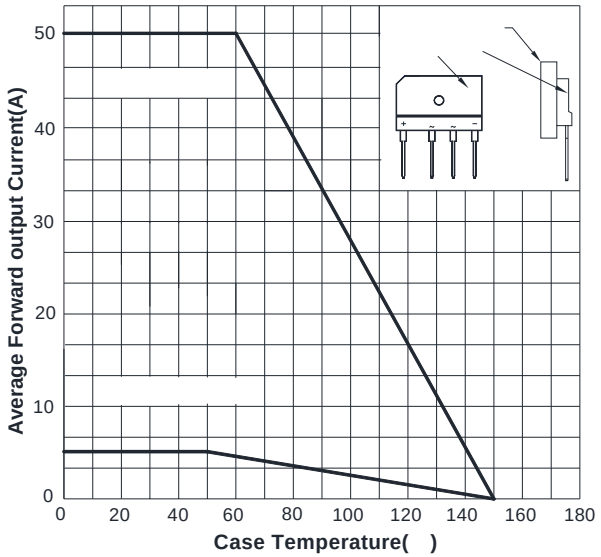
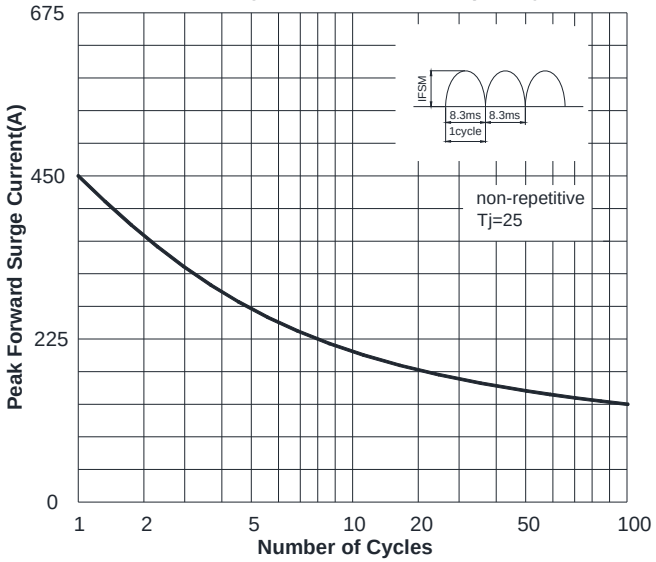


FIG2:Surge Forward Current Capability



very time

FIG3: Typical Forward Voltage

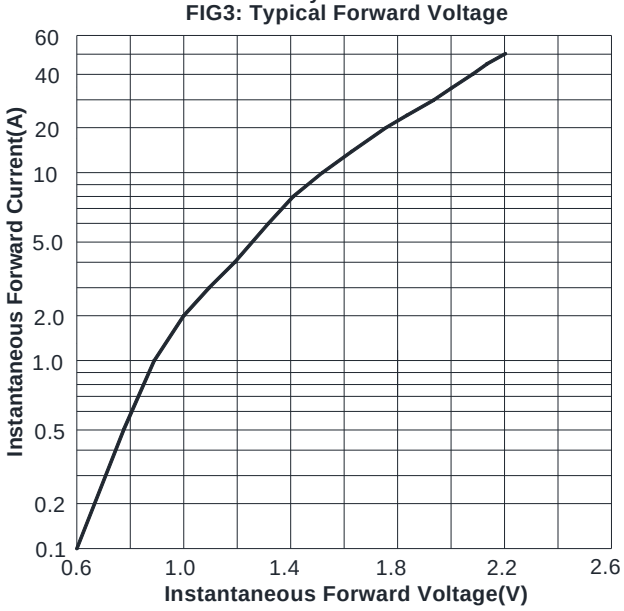


FIG4:Typical Reverse Characteristics

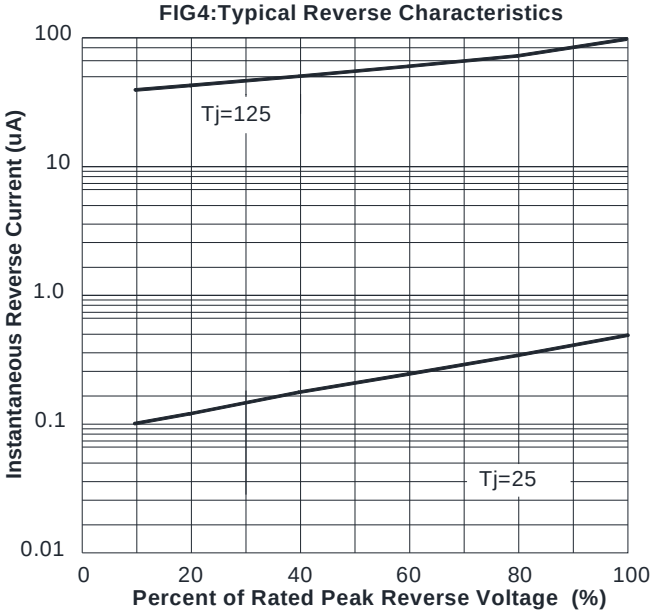
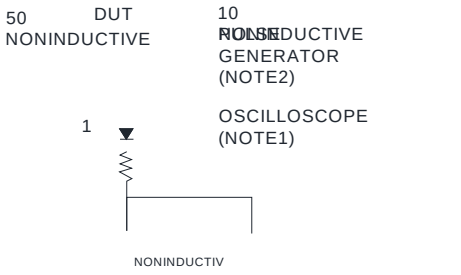
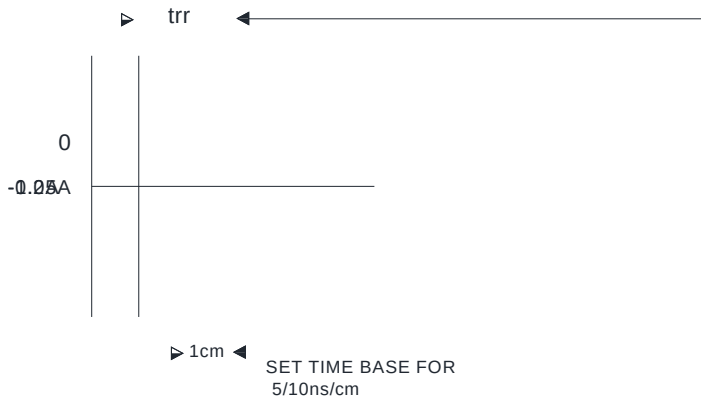


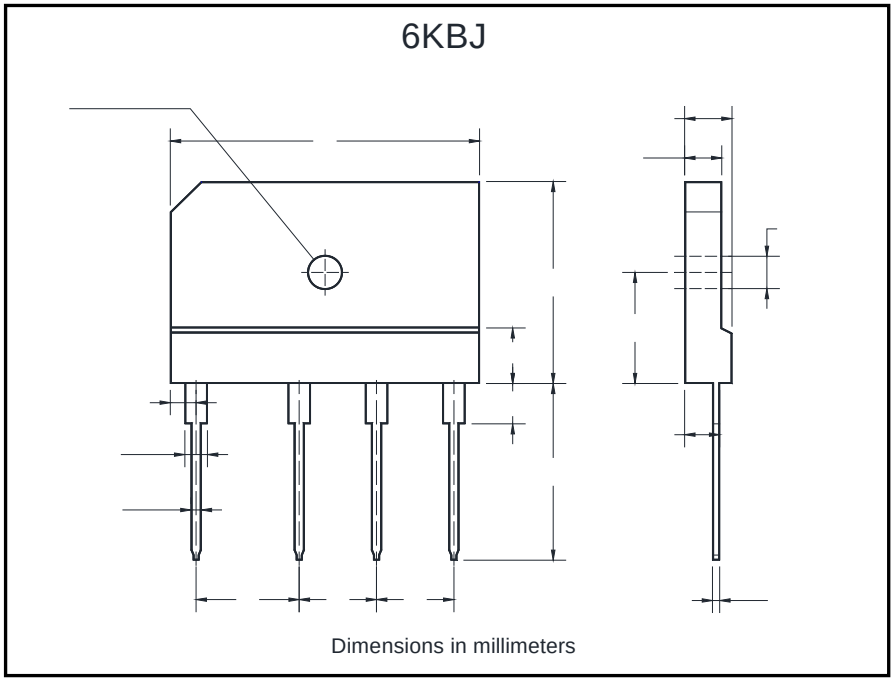
FIG.5: Diagram of circuit and Testing wave form of reverse reco



NOTES:
1.Rise Time=7ns max .Inpot Impedance=1M 22pf
2.Rise Time=10ns max.Sourse Impedance=50



■ 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

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