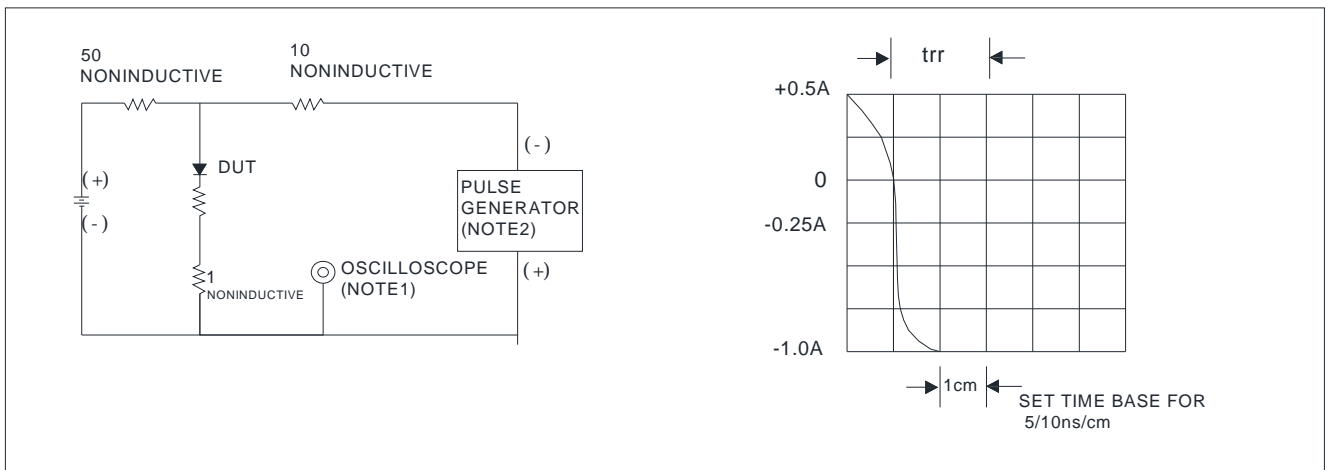


Maximum Ratings (T_a=25 Unless otherwise specified)

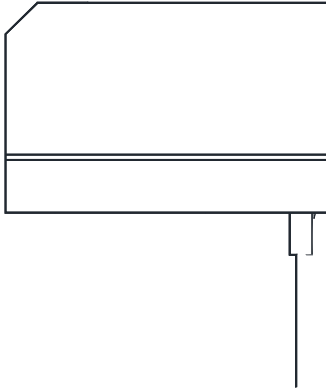
PARAMETER	SYMBOL	UNIT	EGBJ5006	
Device marking code			EGBJ5006	
Maximum Repetitive Peak Reverse Voltage	V _{RRM}	V	600	
Maximum RMS Voltage	V _{RMS}	V	420	
Maximum DC blocking Voltage	V _{DC}	V	600	
Average rectified output current @60Hz sine wave, R-load	With heatsink T _c =95	I _o	A	50.0
	Without heatsink T _a =25			3.3
Forward Surge Current (Non-repetitive) @60Hz Half-sine wave, 1 cycle, T _j =25	I _{FSM}	A	380	
Forward Surge Current (Non-repetitive) @1ms, square wave, 1 cycle, T _j =25			760	
Current squared time @1ms t 8.3ms T _j =25 , Rating of per diode	I ² t	A ² S	599	
Storage temperature	T _{stg}		-55 ~ +150	
Junction temperature	T _j		-55 ~ +150	
Dielectric strength @ Terminals to case, AC 1 minute	V _{dis}	KV	2.5	
Mounting torque @Recommend torque 5kg cm	T _{or}	kg cm	8	

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





Outline Dimensions



Dimensions in millimeters

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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