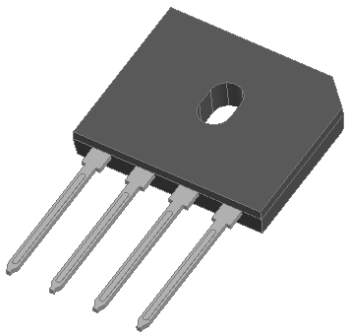




Fast Recovery Bridge Rectifier

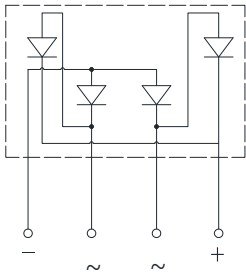


Features

- UL recognition, file #E230084
- Glass passivated chip junction
- Ideal for printed circuit boards
- High surge current capability
- Solder dip 275 °C max. 7 s, per JESD 22-B106

Typical Applications

General purpose use in AC/DC bridgefull wave rectification for



- **Terminals:** Tin plated leads, solderable per J-STD-002 and JESD22-B102

8.0

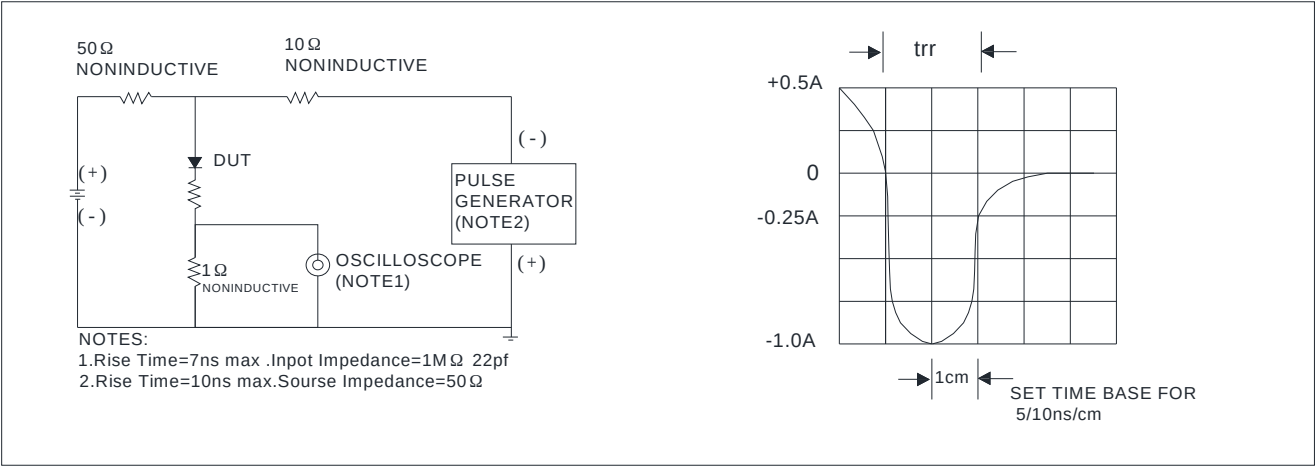
	Without heatsink Ta = 25			
				3.0
Forward Surge Current (Non-repetitive) @60Hz Half-sine wave,1 cycle, Tj=25	IFSM	A		175
Forward Surge Current (Non-repetitive) @1ms, square wave, 1 cycle, Tj=25				350
Current squared time @1ms≤t≤8.3ms Tj=25 , Rating of per diode	I²t	A²S		127
Storage temperature	Tstg			-55 ~ +150
Junction temperature	Tj			-55 ~ +150
Dielectric strength @ Terminals to case, AC 1 minute	Vdis	KV		2.5
Mounting torque @Recommend torque 5kg cm	Tor	kg cm		8

■Electrical Characteristics Ta=25 Unless otherwise specified

PARAMETER	SYMBOL	UNIT	TEST CONDITIONS	RGBU810
Maximum reverse recovery time	tr	ns	IF=0.5A, IR=1.0A, IR=0.25A	500
Maximum instantaneous forward voltage drop per diode	VF	V	IFM=4.0A	1.3
Maximum DC reverse current at rated DC blocking voltage per diode	IR	μA	Tj=25	5
			Tj=125	100
Typical junction capacitance	Cj	pF	Measured at 1MHz and Applied Reverse Voltage of 4.0 V.D.C	48



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



■ Outline Dimensions



GBU		
Dim	Min	Max
A	21.80	22.30
B	18.30	18.80
C	17.50	18.00
D	3.30	3.90
E	7.10	7.50
F	5.50	5.90
G	1.91	2.54
H	2.06	2.54
I	1.02	1.27
J	4.83	5.33
K	3.30	3.56
L	2.40	2.66
M	0.46	0.56

Dimensions in millimeters

RGBU810