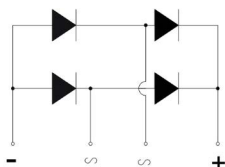
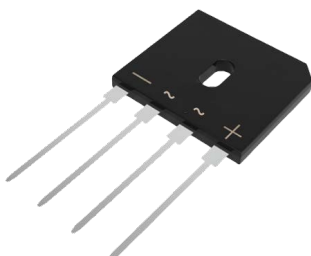


Glass Passivated Bridge Rectifiers

GBU



Features

- Ç Reverse Voltage - 1000 V
- Ç Forward Current - 35.0 A
- Ç Compliant With RoHS Provisions
- Ç High Forward Surge Current Capability

Applications

- Ç Case: GBU
- Ç Switching Power Supply
- Ç Home Appliances, Office Devices
- Ç Industrial Auto-equipments

Maximum Ratings and Electrical characteristics

Ratings at 25 ºC ambient temperature unless otherwise specified.

Single phase half-wave 60 Hz, resistive or inductive load, for capacitive load current derate by 20 %.

Parameter	Symbols	GBU3510	Units
Maximum Repetitive Peak Reverse Voltage	VRRM	1000	V
Maximum RMS voltage	VRMS	700	V
Maximum DC Blocking Voltage	VDC	1000	V
Average Rectified Output Current	Io	35.0	A
Peak Forward Surge Current 8.3 ms Single Half Sine Wave Superimposed on Rated Load (JEDEC Method)	IFSM	350	A
I ² t rating for fusing (1ms< t < 10ms)	I ² t	508	A ² S
Maximum Forward Voltage at 17.5A	VF	1.1	V
Maximum DC Reverse Current @TA=25 ºC at Rated DC Blocking Voltage @TA=125 ºC	IR	5 500	µA
Typical Thermal Resistance (Note1)	RθJA	26.0	°C/W
Operating and Storage Temperature Range	Tj, Tstg	-55 ~ +150	ºC
Note: 1. Unit Mounted on 100 x 100 x 1.6 mm Cu Plate Heatsink.			

RATINGS AND CHARACTERISTICS CURVES (TA = 25 °C unless otherwise noted)

Fig. 1 - Forward Current Derating Curve

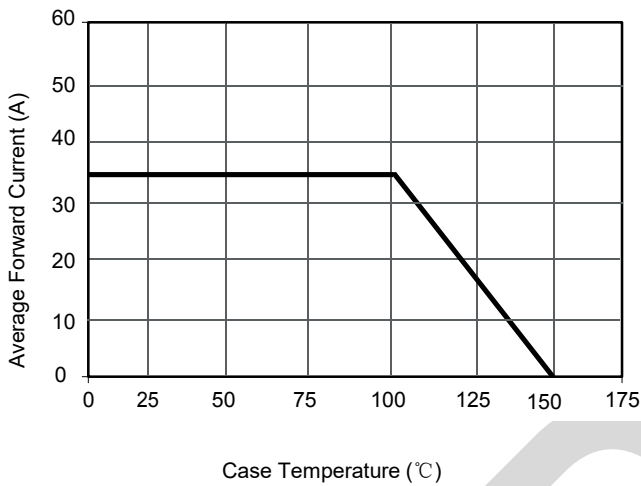


Fig. 2 - Maximum Non-Repetitive Surge Current

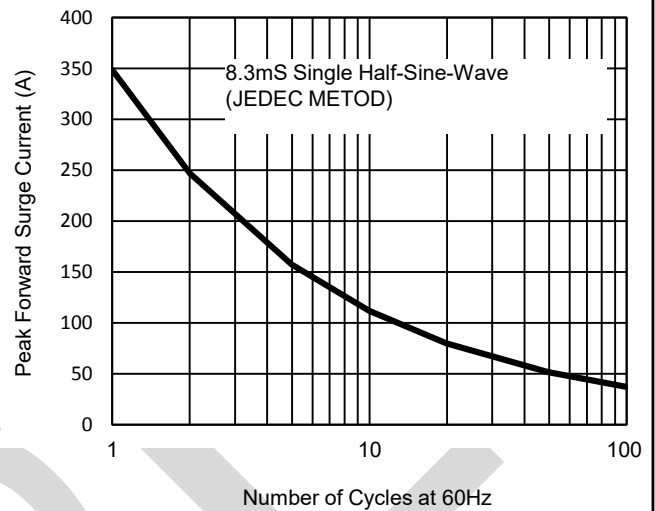


Fig. 3 - Typical Reverse Characteristics

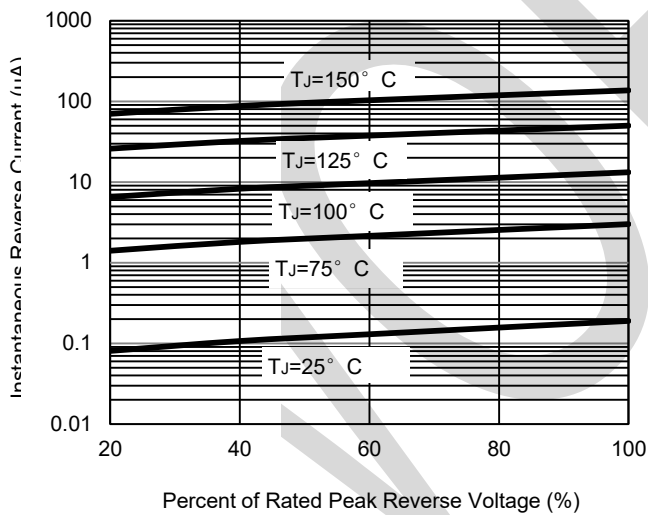
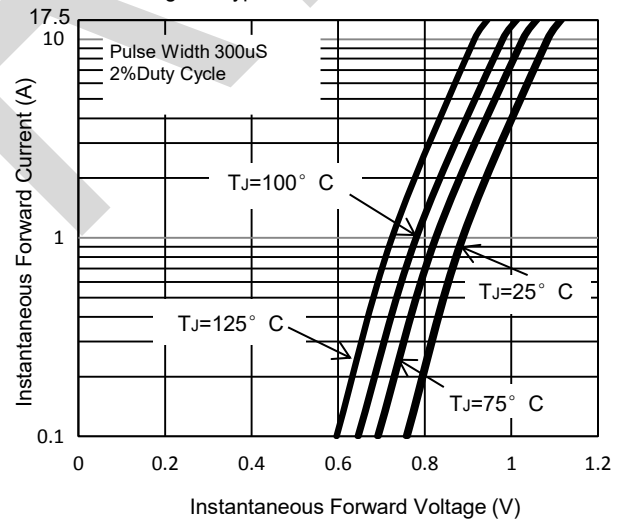
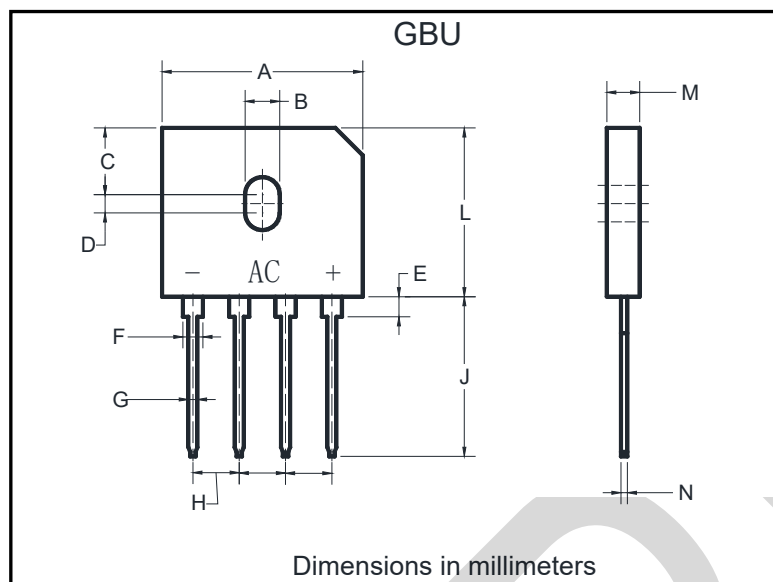


Fig. 4 - Typical Forward Characteristics

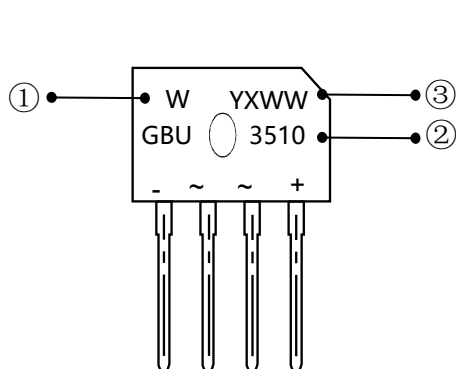


PACKAGE OUTLINE DIMENSIONS



GBU		
Dim	Min	Max
A	21.70	22.50
B	3.40	4.10
C	7.40	8.00
D	1.65	2.26
E	2.00	2.55
F	2.00	2.40
G	1.02	1.37
H	4.83	5.43
J	17.0	18.6
L	18.3	18.9
M	3.30	3.66
N	0.46	0.66

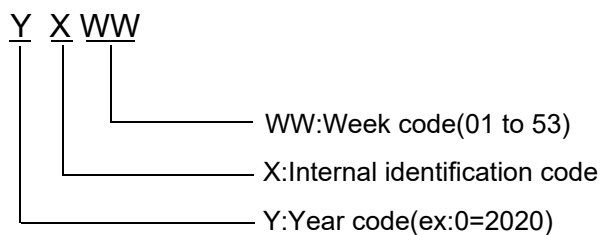
Marking Information



①W : Company's trademark

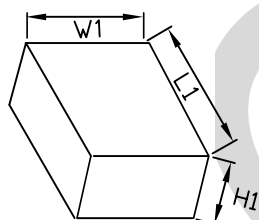
②Product model : GBU3510

③PDC information :

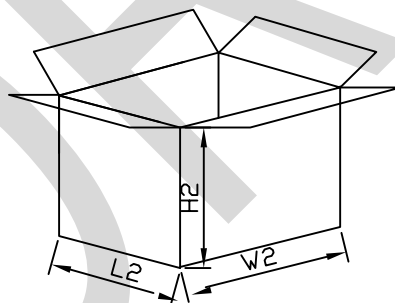


Packaging Information

1.Inside Box



2.Outside Box



Packaging Information

NO	UNIT	Inside Box			Outside Box		
Size	mm	L1	W1	H1	L2	W2	H2
		228	110	43	460	240	235
QTY	PCS	250PCS/carton			5,000PCS/carton,20boxes in total		
Note	Tolerance ≤20mm,±3mm; 21-100mm,±5mm; 101-500mm,±10mm						