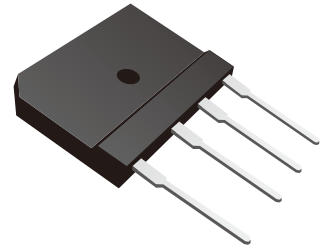


Glass Passivated Bridge Rectifiers

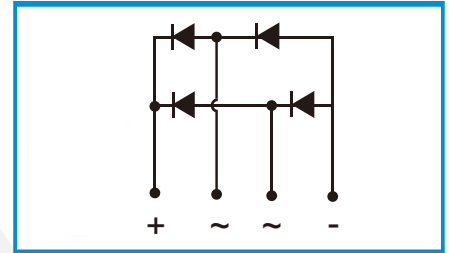
Features

- Polarity:As marked on body
- Rating to 1000V PRV
- Ideal for printed circuit board
- Reliable low cost construction utilizing molded plastic technique
- Plastic material has U/L
The flammability classification 94V-0
- Mounting position:Any
- Weight: 0.24 ounces , 6.79 grams



GBJ

Functional Diagram



Maximum Ratings & Thermal Characteristics

CHARACTERISTICS	SYMBOL	LTG 25005J	LTG 2501J	LTG 2502J	LTG 2504J	LTG 2506J	LTG 2508J	LTG 2510J	UNIT	
Maximum Recurrent Peak Reverse Voltage	V _{RRM}	50	100	200	400	600	800	1000	V	
Maximum RMS Voltage	V _{RMS}	35	70	140	280	420	560	700	V	
Maximum DC Blocking Voltage	V _{DC}	50	100	200	400	600	800	1000	V	
Maximum Average Forward Rectified Current (with heatsink Note 2)	I _(AV)	25								A
Peak Forward Surge Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load (JEDEC Method)	I _{FSM}	270								A
Maximum Forward Voltage at 12.5 A DC	V _F	1.0								V
Maximum DC Reverse Current at Rated DC Blocking Voltage	I _R	5.0 500								uA
J=25°C J=125°C										
I ² t Rating for Fusing (t<8.3ms)	I ² t	300								A ² s
Typical Junction Capacitance Per Element (Note1)	C _J	70								pF
Typical Thermal Resistance (Note2)	R _{θJC}	1.5								°C/W
Operating Temperature Range	T _J	-55 to +150								°C
Storage Temperature Range	T _{STG}	-55 to +150								°C

NOTES: 1.Measured at 1.0MHz and applied reverse voltage of 4.0V DC.

2.Device mounted on 150mm*150mm*1.6mm Cu Plate Heatsink.

Rating and Characteristic Curves (TA=25°C Unless otherwise noted)

FIG.1-FORWARD CURRENT DERATING CURVE

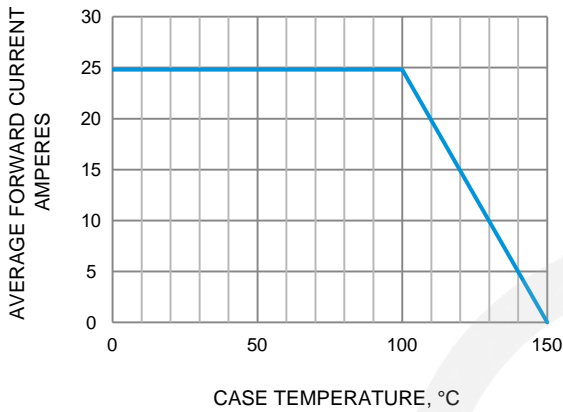


FIG.2-MAXIMUM FORWARD SURGE CURRENT

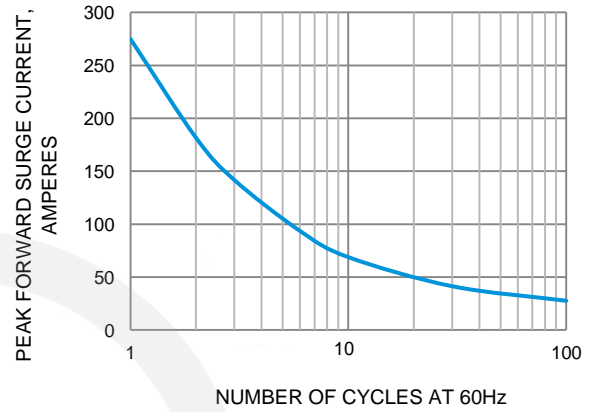


FIG.3-TYPICAL JUNCTION CAPACITANCE

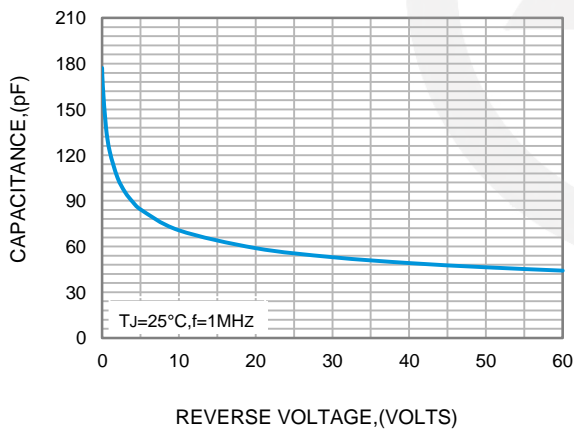


FIG.4-TYPICAL FORWARD CHARACTERISTICS

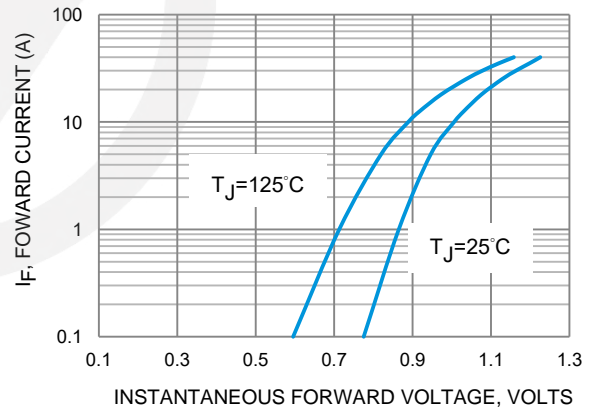
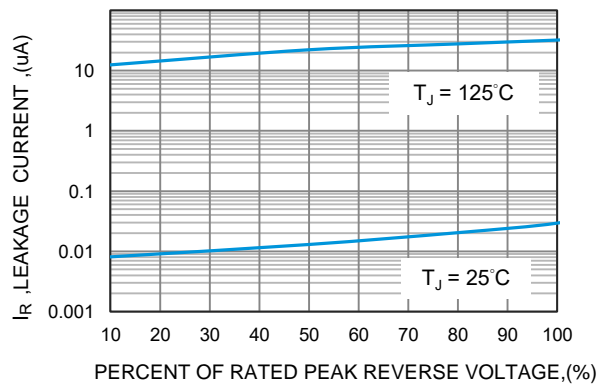
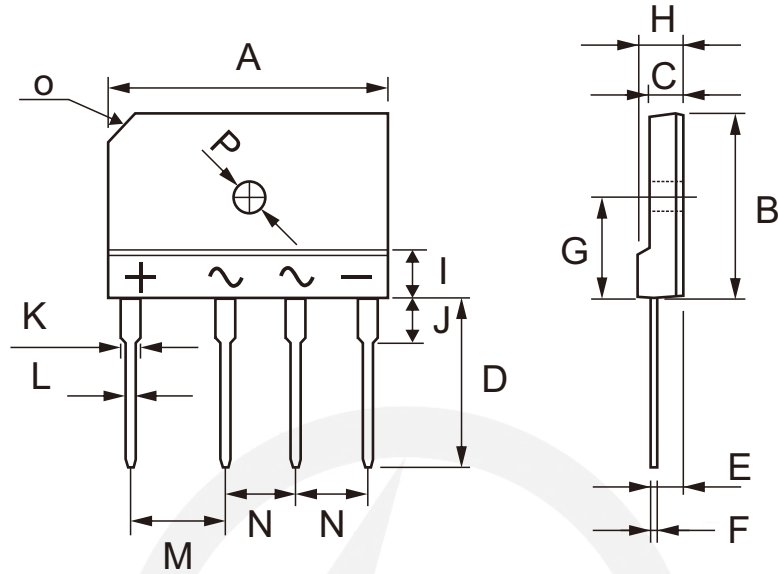


FIG.5-TYPICAL REVERSE CHARACTERISTICS



GBJ Package Outline



UNIT		A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
mm	max	30.30	20.30	3.80	18.00	2.90	0.80	7.90	4.80	5.80	4.20	2.40	1.15	10.20	7.70	C3.0	Φ3.6
	min	29.70	19.70	3.40	17.00	2.50	0.55	7.40	4.40	4.80	3.80	2.00	0.90	9.80	7.30		Φ3.0