



Parameter	Symbol	Rating	Unit
Peak Repetitive Reverse Voltage	V_{RRM}	1000	V
Maximum RMS Voltage	V_{RMS}	700	V
Maximum DC Blocking Voltage	V_{DC}	1000	V
Maximum Average Forward Current	$I_{(AV)}$	35	A
Peak forward surge current	I_{FSM}	400	A
I2t Rating for Fusing ($t < 8.3ms$)	I2t	510	A2s
Typical Junction Capacitance(Note1)	CJ	85	pF
Typical Thermal Resistance (Note2)	R_{JC}	0.6	/W
Junction Temperature Range	T_J	150	
Storage Temperature Range	T_{stg}	-55 150	

NOTE:

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

2.Device mounted on 300mm*300mm*1.6mm cu plate heatsink.

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Reverse Voltage	V_R	I R				

/ Electrical Characteristic Curve

FIG.1-FORWARD CURRENT DERATING CURVE

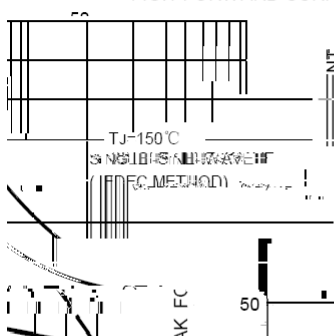
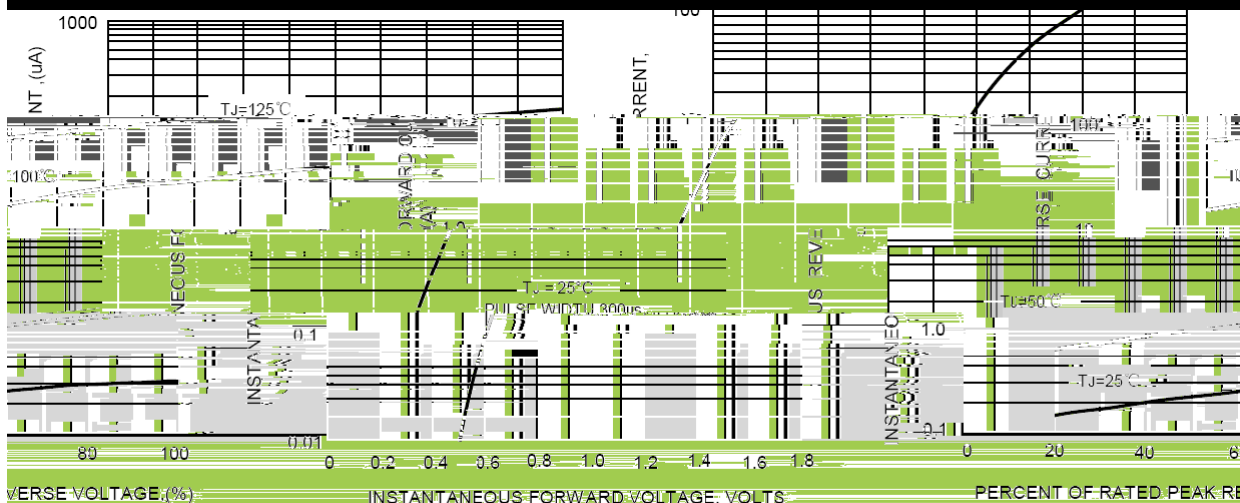
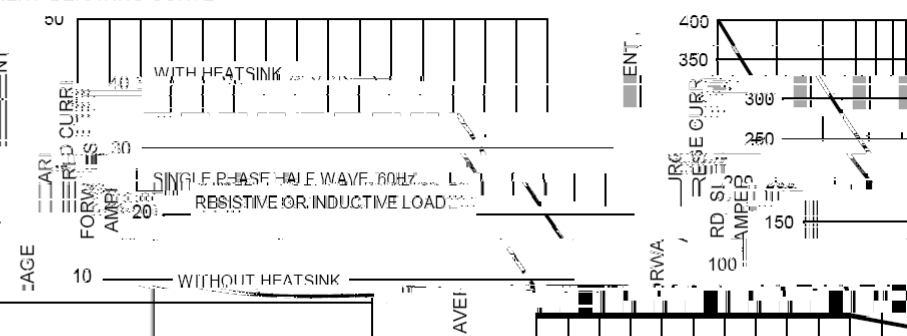


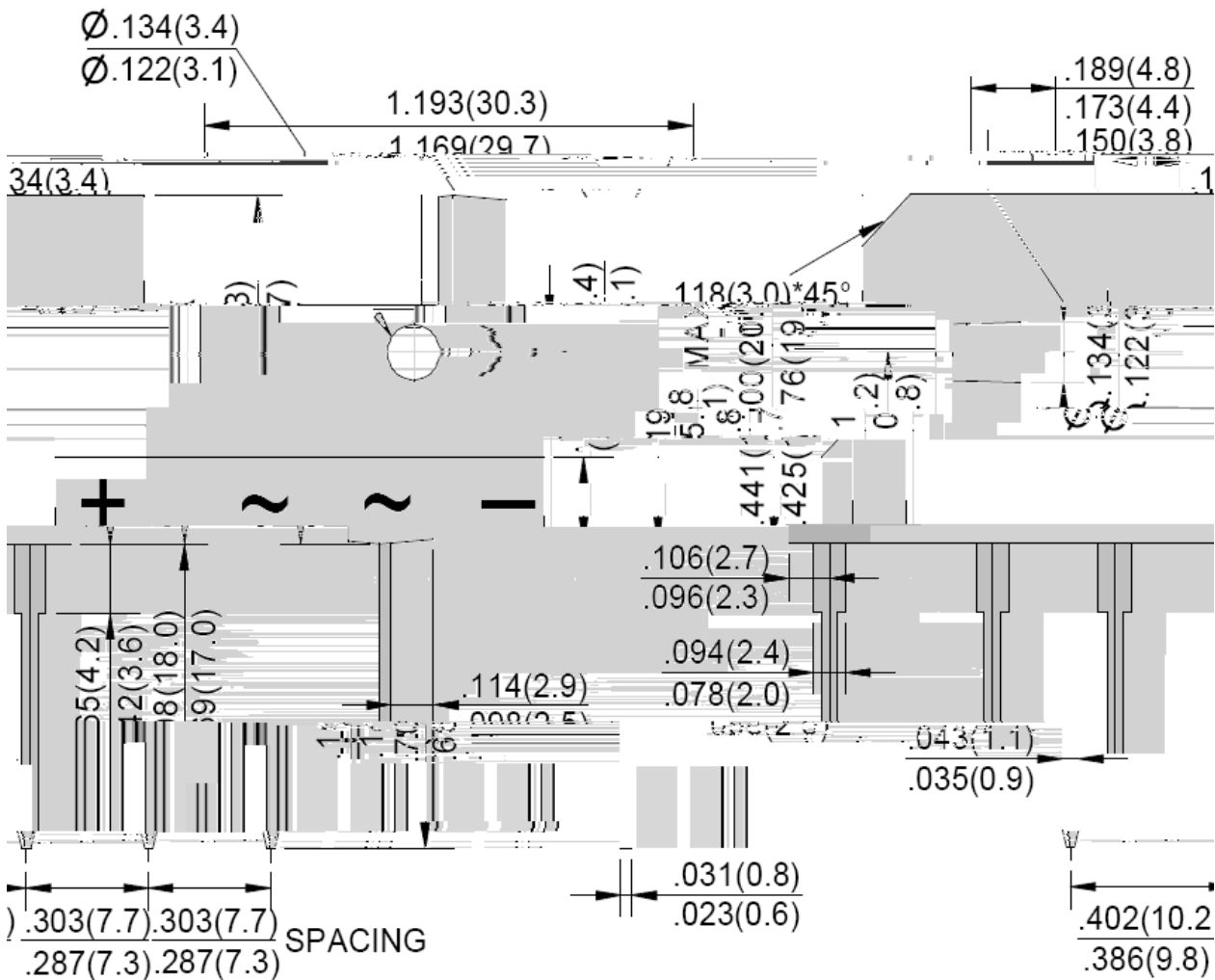
FIG.2-MAXIMUM NON-REPETITIVE SURGE CURRENT



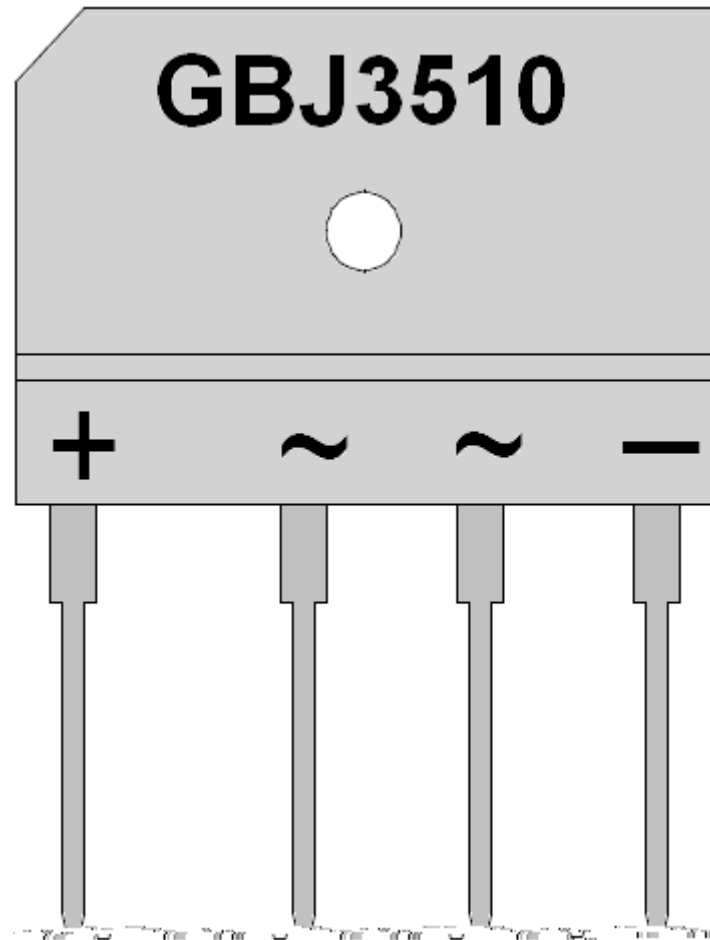
INVERSE VOLTAGE, (%) INSTANTANEOUS FORWARD VOLTAGE, VOLTS PERCENT OF RATED PEAK RE

/ Package Dimensions

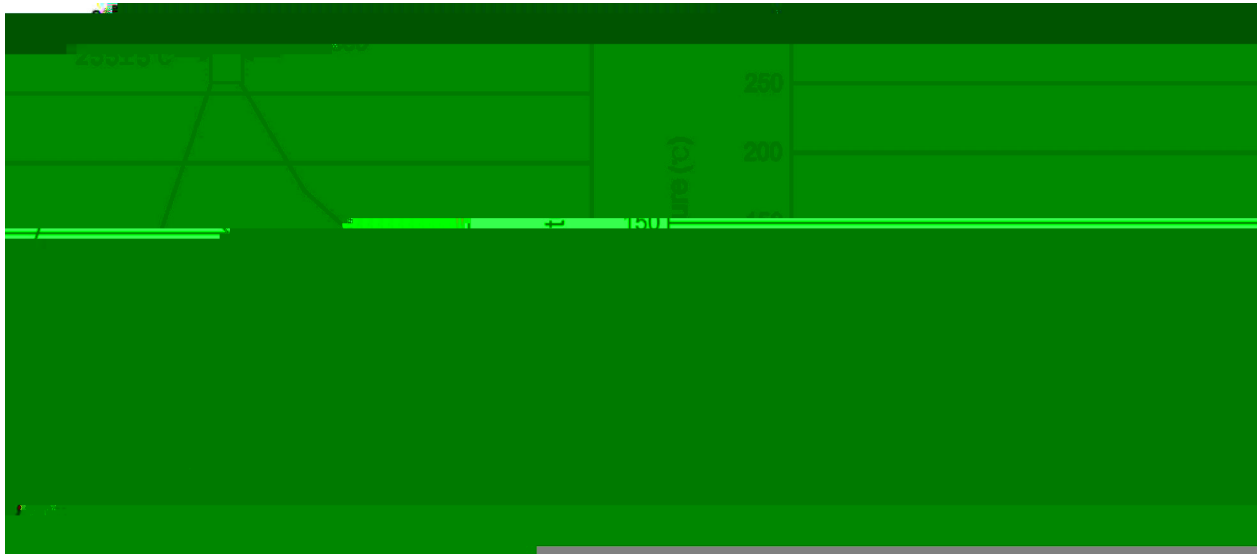
GBJ



/ Marking Instructions



GBJ3510
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() / Temperature Profile for Dip Soldering(Pb-Free)


Note:

- | | | | | | |
|---|-----|-------------------|----|------------------------|---|
| 1 | 25 | 150 $\frac{3}{8}$ | 60 | 90sec; | 1.Preheating:25~150 $\frac{3}{8}$, Time:60~90sec. |
| 2 | 255 | 255 $\frac{2}{5}$ | 5 | 2 0.5sec; | 2.Peak Temp.:255 $\frac{2}{5}$, Duration:5 $\frac{2}{5}$ 0.5sec. |
| 3 | | | 2 | 10 $\frac{3}{8}$ /sec. | 3. Cooling Speed: 2~10 $\frac{3}{8}$ /sec. |

/ Resistance to Soldering Heat Test Conditions

270 $\frac{2}{5}$ 10 $\frac{2}{5}$ 1 sec. Temp.:270 $\pm$ 5 Time:10 $\pm$ 1 sec

/ Packaging SPEC.
/ BULK

Package Type	Units					Dimension (unit mm ³)		
	Units/Bag /	Bags/Inner Box /	Units/Inner Box /	Inner Boxes/Outer Box /	Units/Outer Box /	Bag	Inner Box	Outer Box
GBJ	-	-	250	8	2000	-	315×135×48	330×285×215

/ TUBE

Package Type	Units					Dimension (unit mm ³)		
	Units/Tube /	Tubes/Inner Box /	Units/Inner Box /	Inner Boxes/Outer Box /	Units/Outer Box /	Tube	Inner Box	Outer Box
GBJ	15	40	600	2	1200	471×42×10	500×190×105	525×210×245

/ Notices