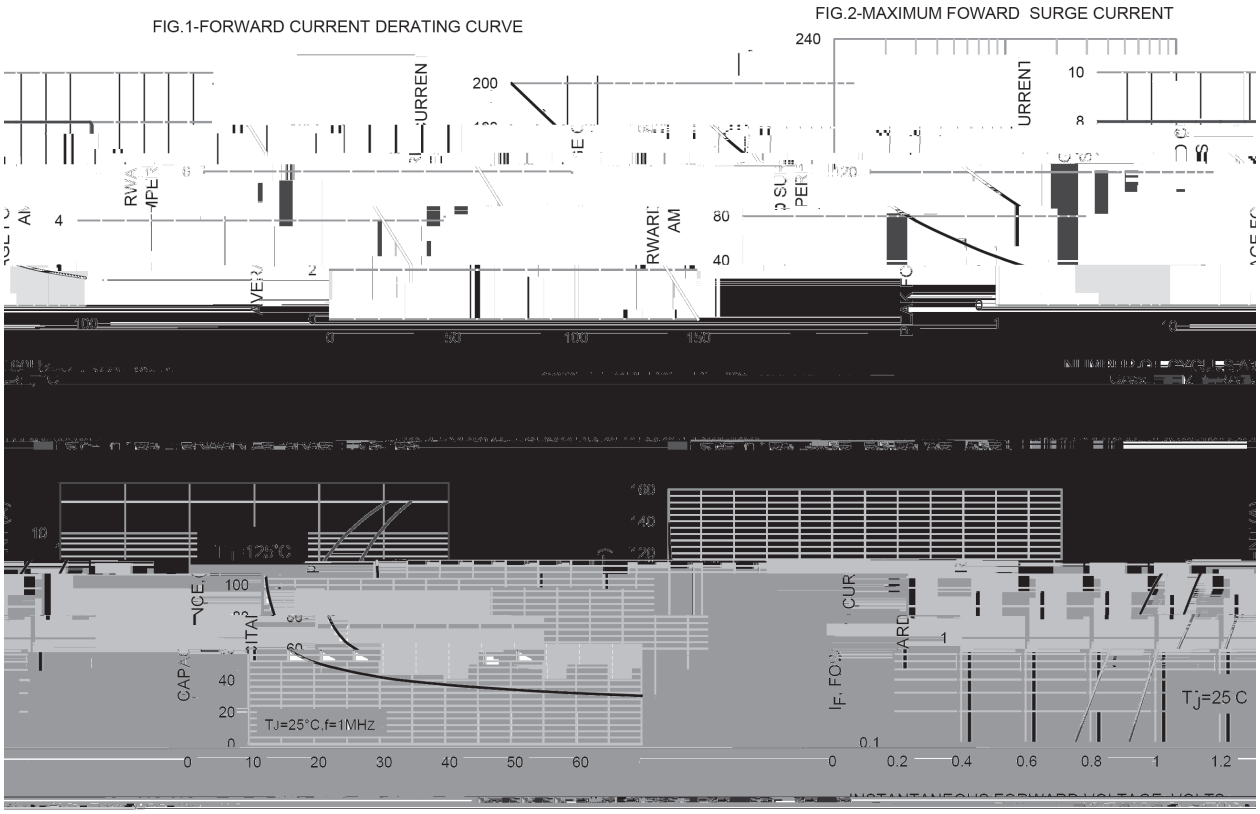
v ¨Ω Parameter	ϒ N Symbol	¨Ω Ë Rating							D Ч Unit
		GBJ 8005G	GBJ 801G	GBJ 802G	GBJ 804G	GBJ 806G	GBJ 808G	GBJ 810G	
Maximum Recurrent Peak Reverse Voltage	V_{RRM}	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	V_{RMS}	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	V_{DC}	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current (with heatsink Note 2)	$I_{F(AV)}$	8.0							A
Peak Forward Surage Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load (JEDEC Method)	I_{FSM}	200							A
I^2t Rating for Fusing (t<8.3ms)	I^2t	166							A^2s

Typical Junction

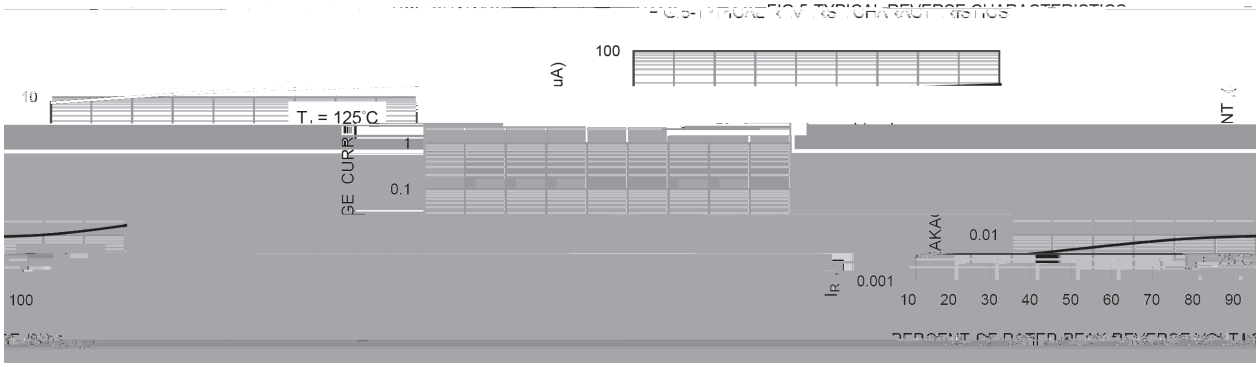
/ Electrical Characteristic Curve

FIG.1-FORWARD CURRENT DERATING CURVE

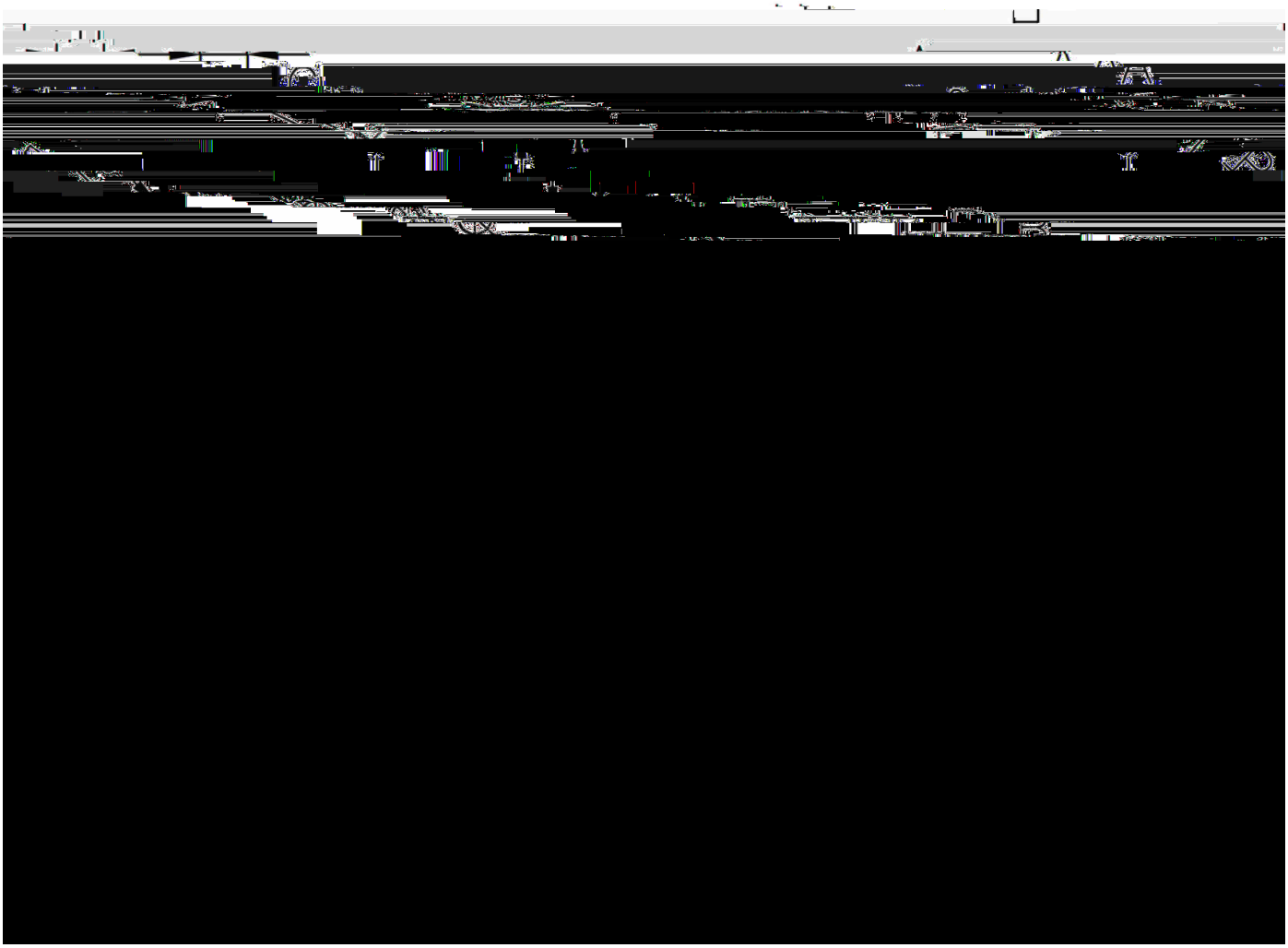
FIG.2-MAXIMUM FOWARD SURGE CURRENT



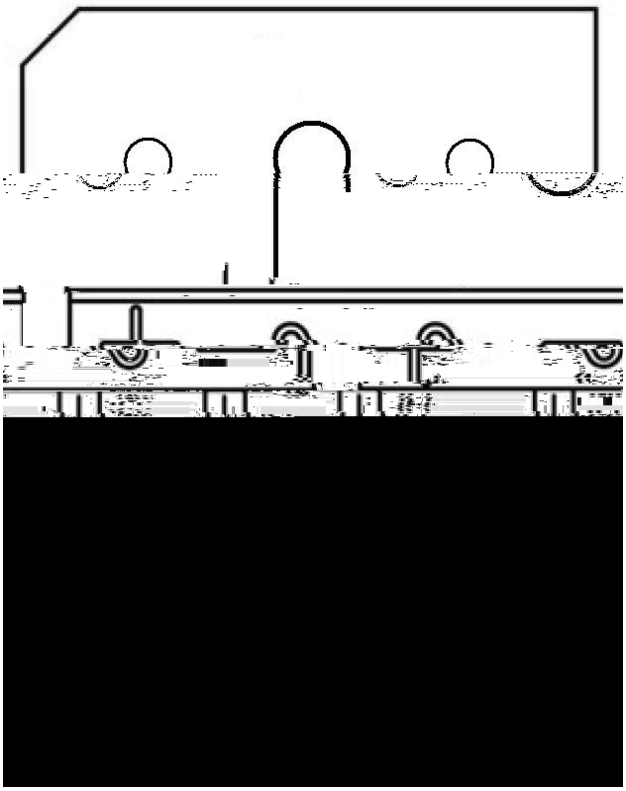
REVERSE VOLTAGE,(VOLTS)



/ Package Dimensions



/ Marking Instructions



ب ˝ χ

JE𝕄;338J χ ₩ ₣ ᵝ ȝ ᴺ

---- χ ₩ ı ₣ ń ᴺ Γƀ ı ₡ ı ₣ ń ᴺ Ψ ƥ

Q r wh=

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

ب ˝ χ

1 Ĺ ♬ □ ỷ 25 Ḱ 150 ł ı ˋH ڑ 60 Ḱ 90sec;

2 Š Ө □ ỷ 255 ° 5 ł ı ˋH ڑ ˋY ヵ ㎛ 5 ° 0.5sec;

3 ì ˙ ヽ ˛ ɔ ﷺ ỷ ㎛ 2 Ḱ 10 ł /sec.

Note:

1.Preheating:25~150 ł , Time:60~90sec.

2.Peak Temp.:255 ° 5 ł , Duration:5 ° 0.5sec.

3. Cooling Speed: 2~10 ł /sec.

/ Resistance to Soldering Heat Test Conditions

□ ỷ χ 270 ° 5 ł	ˋH ڑ χ 10 ° 1 sec.	Temp.:270±5