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Glass Passivated Bridge Rectifiers, Reverse Voltage:50~1000V,Forward Current:10.0A,GBU package.

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i PCB Æ # + k.> % ÀÙÓk.> UL £ ˘ ¯ · 94V-0o)í D }o

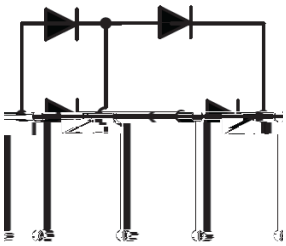
Ldeal for printed circuit bodrd,Case material molded plastic,The plastic material has U/L flammability classification 94V-0. Halogen free product.

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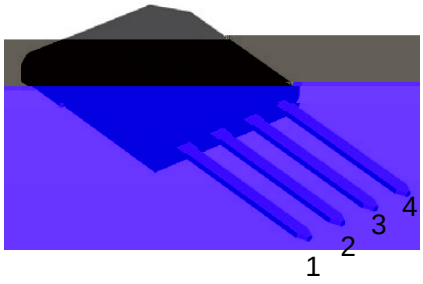
General purpose.

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PIN1 y DC- PIN2 y AC PIN 3 y AC PIN 4 y DC+

Z ÜB , M V

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@ Parameter	Z Symbol	Rating							% y Unit
		GBU 10005	GBU 1001	GBU 1002	GBU 1004	GBU 1006	GBU 1008	GBU 1010	
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)	$I_{F(AV)}$	10.0							A
Maximum Average Forward Rectified Current @T_C=100 (without heatsink)		3.0							A
Peak Forward Surage Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load (JEDEC Method)	I_{FSM}	220							A
I^2t Rating for Fusing (t<8.3ms)	I^2t	200							A^2s
Typical Junction Capacitance Per Element (Note1)	CJ	86							pF
Typical Thermal Resistance (Note2)	R_{Jc}	2.0							/W
Operating Temperature Range	T_j	-55 to +150							
Storage Temperature Range	T_{stg}	-55 to +150							

NOTE:

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

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

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@ Parameter	Z Symbol	y ¡ Ú^ Test Conditions	Rating	% y Unit
Maximum Forward Voltage	V_F	I_F=5.0A	1.0	V
Maximum DC Reverse Current at Rated DC Blocking Voltage	I_R	T_a=25	5.0	A
		T_a=125	500	

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FIG.1-FORWARD CURRENT DERATING CURVE

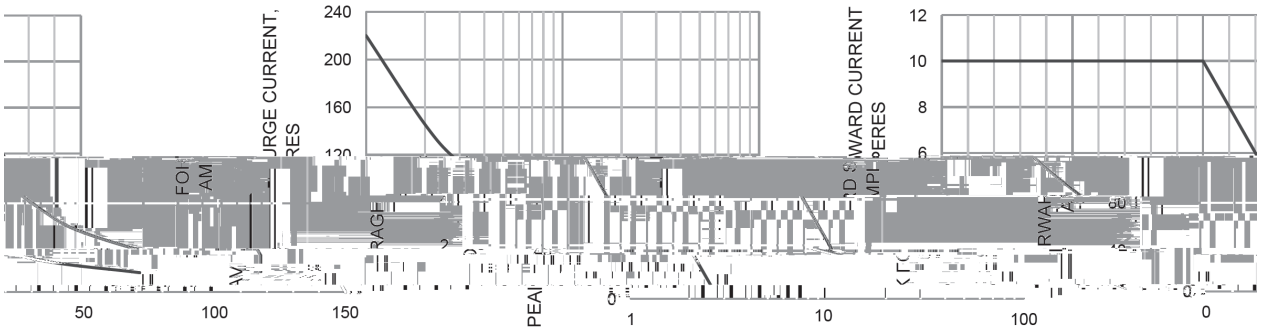


FIG.2-MAXIMUM FOWARD SURGE CURRENT

FIG.4-TYPICAL FORWARD CHARACTERISTICS

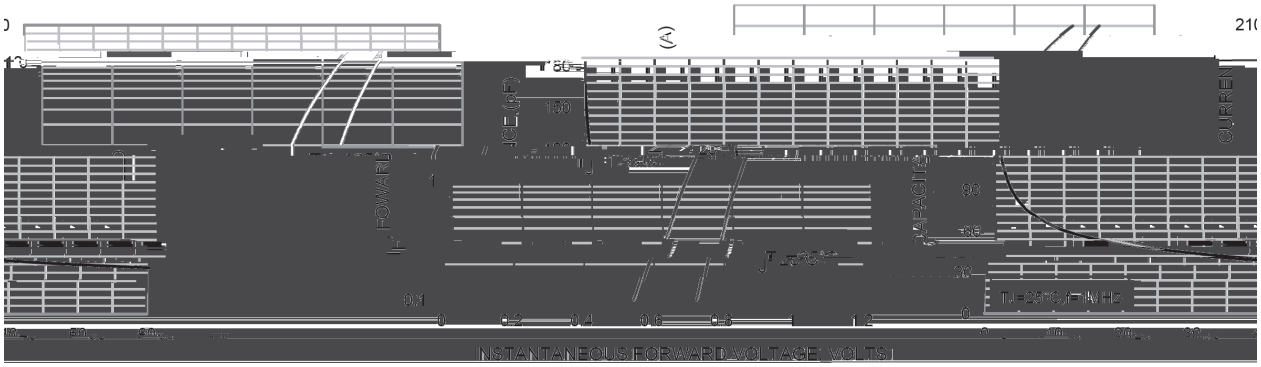
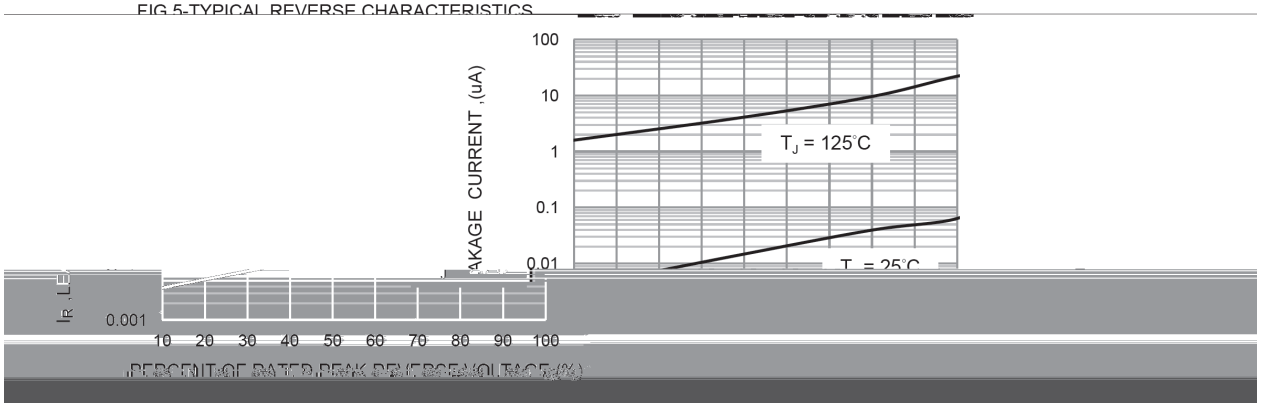
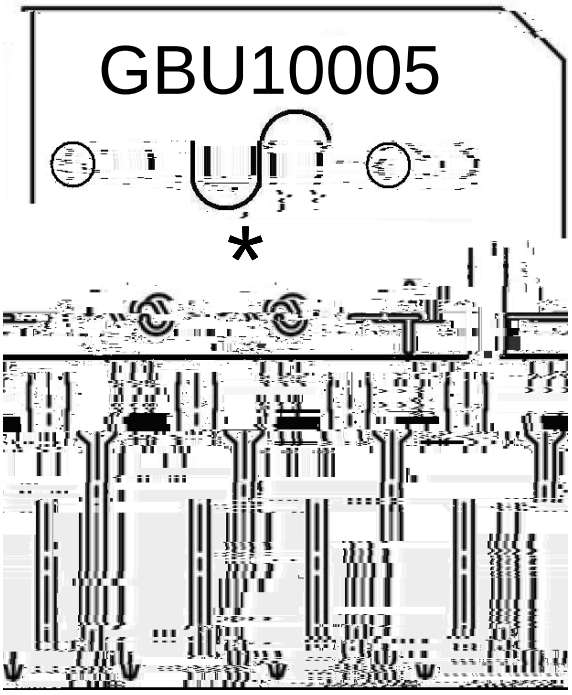


FIG.5-TYPICAL REVERSE CHARACTERISTICS



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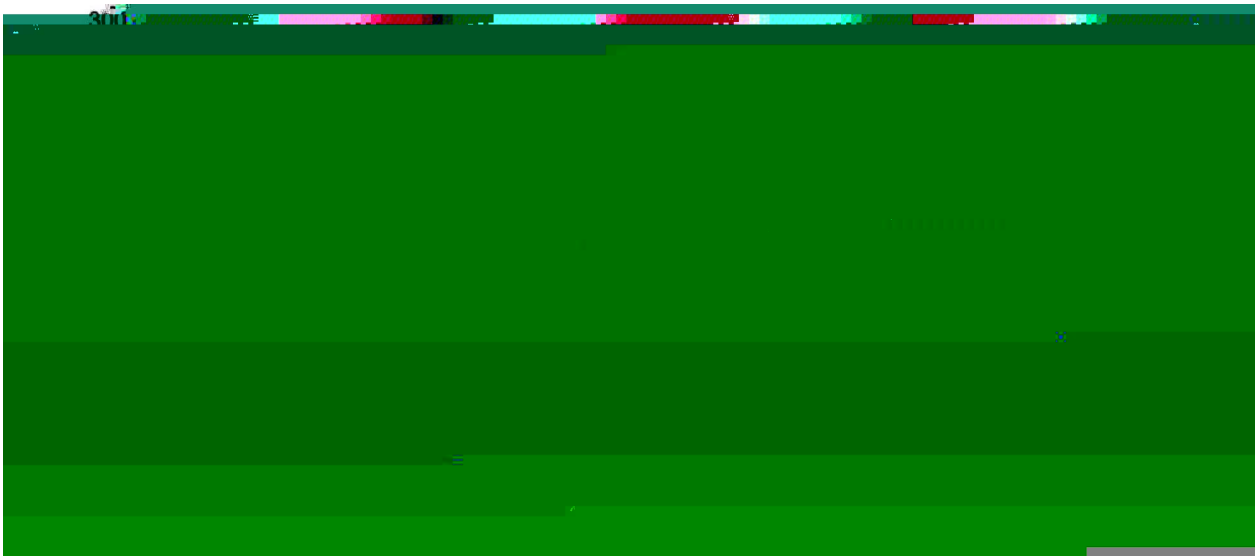
y ÿD Z W A k ÿD Z J

4 U Z K

GBU10005: Product Type.

****: Lot No. Code, code change with Lot No.

G PD t ¢ x /



“ ¢ y

1o ˜ ‰ 25 ‰150 - k 60 ‰90sec;

2o Q 255 r5 - k 4 Ò 5 r0.5sec;

3o D N òi Ò0 , 2 ‰10 - /sec.

Note:

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

2.Peak Temp.:255 r5 - , Duration:5 r0.5sec.

3. Cooling Speed: 2~10 - /sec.

´D /Cª p fl »]

y 270 r5 - y 10 r1 sec. Temp.:270±5 Time:10±1 sec

G P Æ

^ x / BULK

Package Type ß m ù ´	Units g m ô h					Dimension g m d Ê (unit ! cm^3)		
	/ ß	ß/ ç	/ ç	ç / ±	/ ±	ß	ç	±
	-	-				-		

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