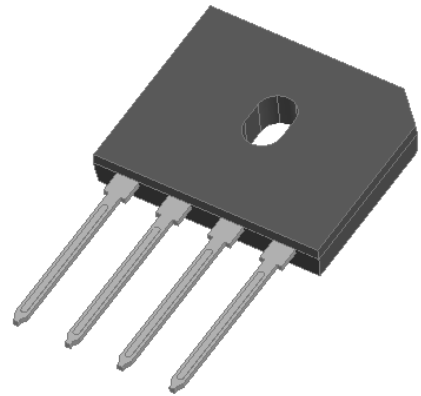




Bridge Rectifiers
Reverse Voltage-1000v
Forward current-4A Thur 30A

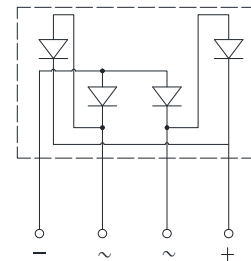
Features

- Glass passivated chip
- High surge current capability
- Ideal for surface mounted applications
- Low power loss, high efficiency
- Plastic Case Material has UL Flammability



Mechanical Data

- Package: GBU
- Terminals: Tin Plated leads, solderable per Mil-STD-750 Method 2026
- Polarity: As marked
- Molding compound meets UL 94 V-0 flammability rating, ROHS-compliant



Maximum Ratings (Ta=25°C Unless otherwise)

Type Number	SYMBOL	GBU 410	GBU 610	GBU 810	GBU 1010	GBU 1510	GBU 2010	GBU 2510	GBU 3010	Umit
Maximum Recurrent Peak Reverse Voltage	V_{RRM}	1000								V
Maximum RMS Voltage	V_{RMS}	700								V
Maximum DC Blocking Voltage	V_{DC}	1000								V
Maximum Average Forward Rectified Current at TL = 100 °C	$I_{O(AV)}$	4.0	6.0	8.0	10.0	15.0	20.0	25.0	30	A
Peak Forward Surge Current 8.3ms Single half-sine-wave superimposed on rated load(JEDEC Method) on rated	IFSM	90.0	110.0	150.0	160.0	220.0	220.0	220.0	220.0	A
Current squared time @1ms≤t≤8.3ms Tj=25°C, Rating of per diode	I^2t	33.6	50.2	93.4	106.2	200.9	200.9	200.9	200.9	A ² S
Maximum Forward Voltage at DC	V_{FM}	1.1								V
Maximum Reverse Current TA = 25°C	IR	5								uA
at Rated DC Blocking Voltage TA = 100°C		100								
Typical Junction Capacitance	CJ	40								pF
Typical Thermal Resistance	R_{QJa}	75.0								°C/W
Operating Junction Temperature Range	T _J	-55to+150								°C
Storage Temperature Range	T _{STG}	-55to+150								°C



FIG. 1 MAXIMUM AVERAGE FORWARD CURRENT DERATING

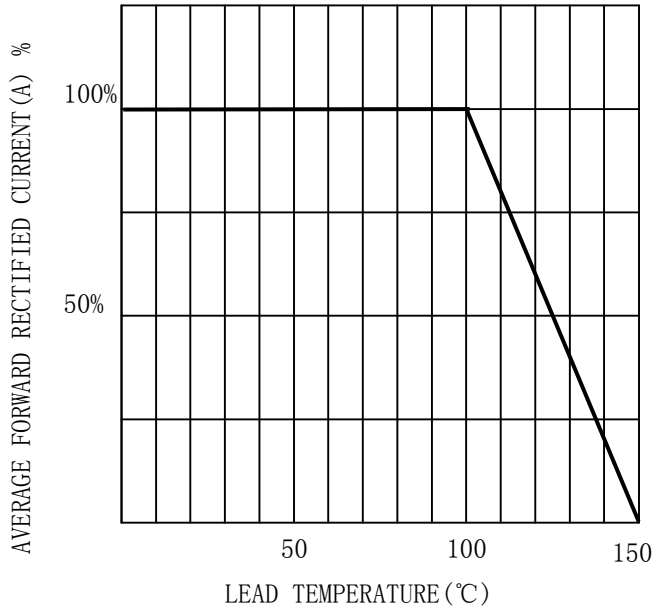


FIG. 2 TYPICAL FORWARD CHARACTERISTICS

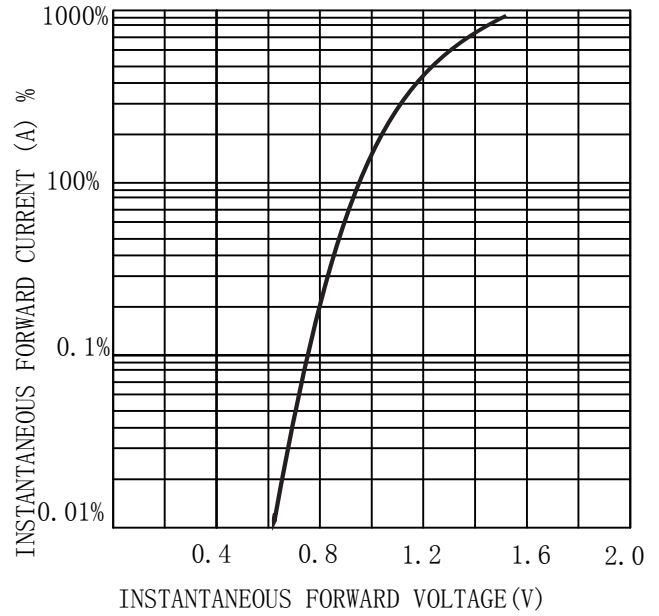


FIG. 3 MAXIMUM NON-REPEITIVE SURGE CURRENT

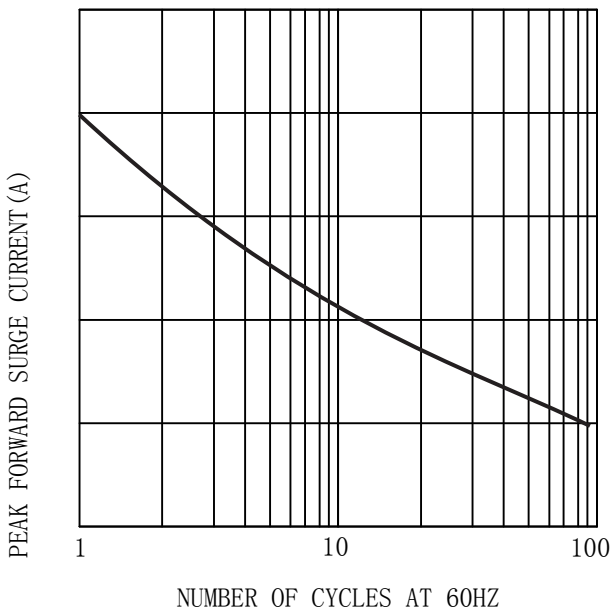
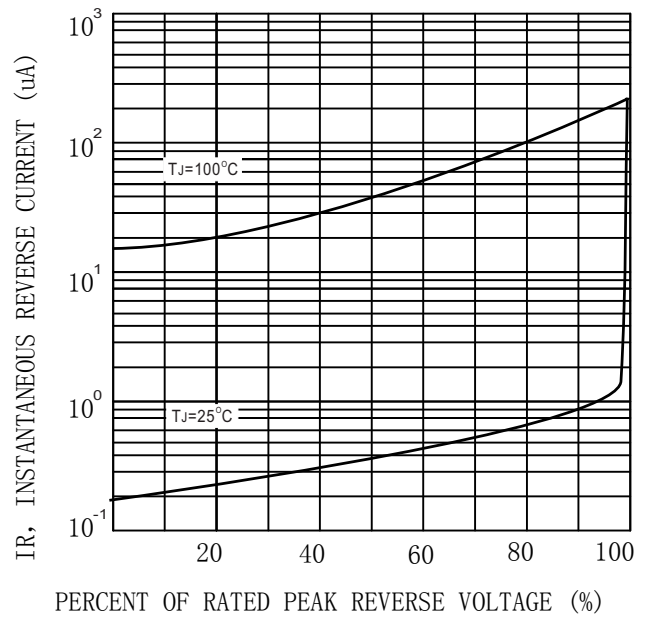


FIG. 4 TYPICAL REVERSE CHARACTERISTICS (per element)



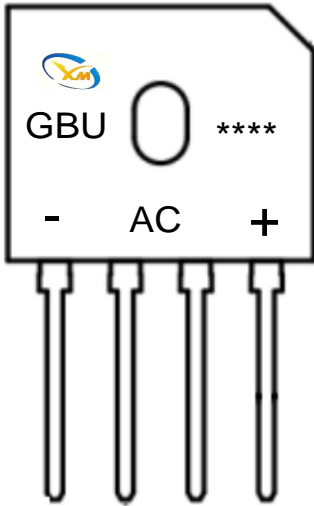



四川旭茂微科技有限公司

Sichuan Xu Mao Micro Technology Co.,Ltd

GBU410 THUR GBU3010

MARKING INFORMATION



 = Logo

GBU**** = Date Code Marking

Print according to customer request

PACKING REQUIRMENTS

- Ps The carton packaging

DEVICE TYPE	Q'TY/REE L (pcs)	BOX/CAR TOON	Q'TY/REE L (pcs)
GBU	500	10	5000

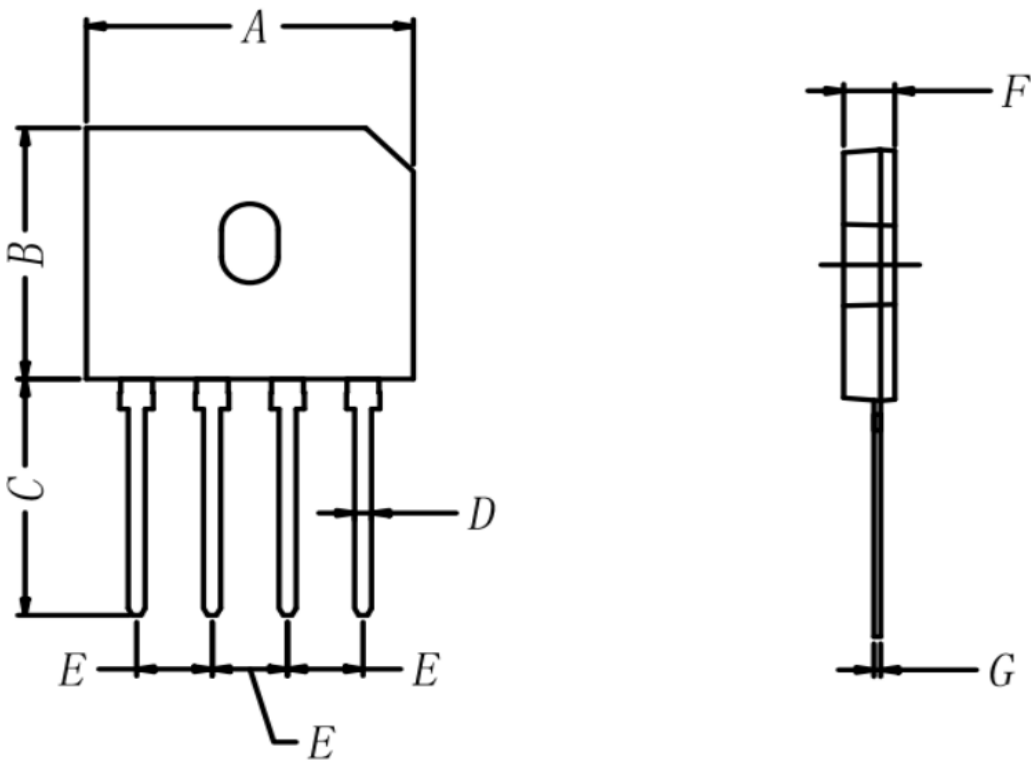


四川旭茂微科技有限公司

Sichuan Xu Mao Micro Technology Co., Ltd GBU410 THUR GBU3010

Outline Dimensions

GBU



GBU				
DIM	INC HES		MM	
	MIN	MAX	MIN	MAX
A	0.86	0.87	21.8	22.2
B	0.72	0.74	18.3	18.7
C	0.70	0.72	17.8	18.2
D	0.04	0.05	1.05	1.25
E	0.19	0.21	4.85	5.35
F	0.13	0.14	3.3	3.6
G	0.02	0.02	0.4	0.5



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Sichuan Xu Mao Micro Technology Co., Ltd

GBU410 THUR GBU3010

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