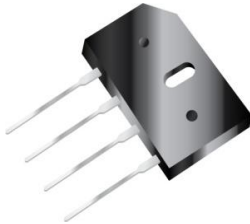




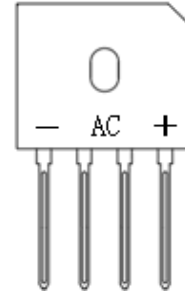
GBU4005 Thru GBU410



Glass Passivated Bridge Rectifier



GBU



Features
<ul style="list-style-type: none"> • Glass passivated die construction • Low forward voltage drop • High current capability • High surge current capability • Plastic material-UL flammability 94V-0

Mechanical Data
<ul style="list-style-type: none"> • Case: GBU, molded plastic • Terminals: plated leads solderable per MIL-STD-202, Method 208 • Polarity: as marked on case • Mounting position: Any • Marking: type number • Lead Free: For RoHS / Lead Free Version,

Ordering Information		
Part No.	Package	Packing
GBU4005 Thru GBU410	GBU	250/Box

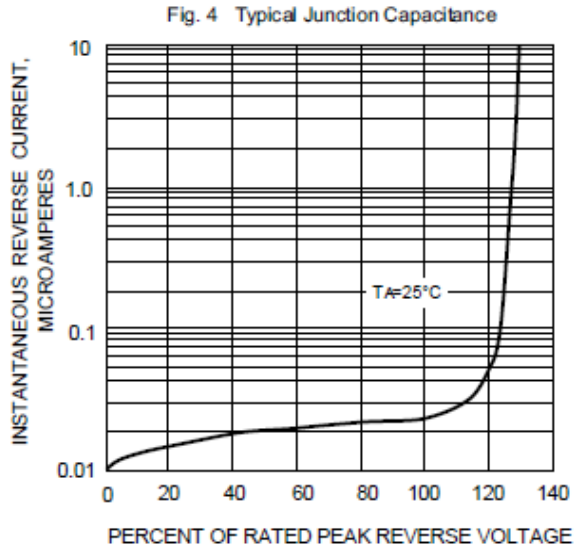
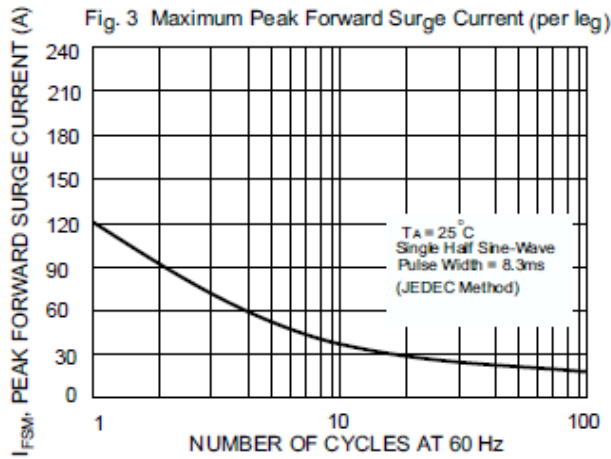
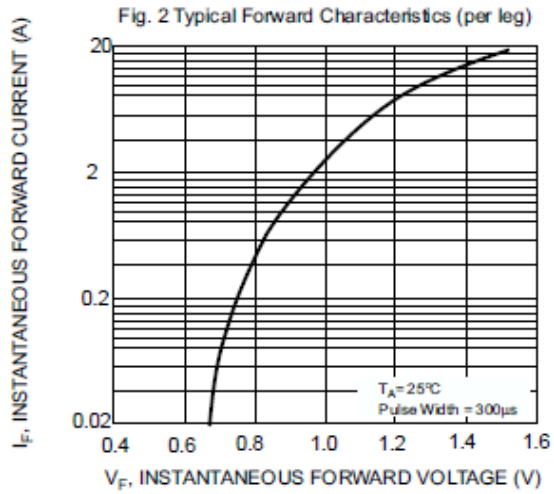
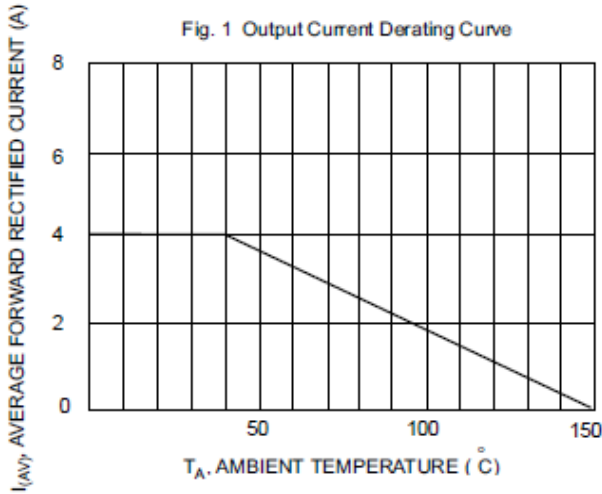
Maximum Ratings and Electrical Characteristics (TA=25°C unless otherwise noted)									
Parameter	Symbol	GBU 4005	GBU 401	GBU 402	GBU 404	GBU 406	GBU 408	GBU 410	Units
Peak Repetitive Reverse Voltage	V_{RRM}	50	100	200	400	600	800	1000	V
Working Peak Reverse Voltage	V_{RWM}								
DC Blocking Voltage	V_{DC}								
RMS Reverse Voltage	V_{RMS}	35	70	140	280	420	560	700	V
Average Rectified Output Current (Note 1) @TA=40°C	I_O	4.0							A
Non-Repetitive Peak Forward Surge Current 8.3ms Single half sine-wave superimposed on rated load (JEDEC Method)	I_{FSM}	120							A
Forward Voltage per element @IF=2A @IF=4A	V_{FM}	1.0 1.1							V
Peak Reverse Current @TA =25°C At Rated DC Blocking Voltage @TA =125 °C	I_R	5.0 500							uA
Typical Junction Capacitance per leg	C_J	65							pF
Typical Thermal Resistance per leg (Note 2)	$R_{\theta JA}$	20							°C/W
	$R_{\theta JL}$	2.2							
Operating and Storage Temperature Range	T_J, T_{STG}	-55~+150							°C
Marking		GBU 4005	GBU 401	GBU 402	GBU 404	GBU 406	GBU 408	GBU 410	

NOTES:

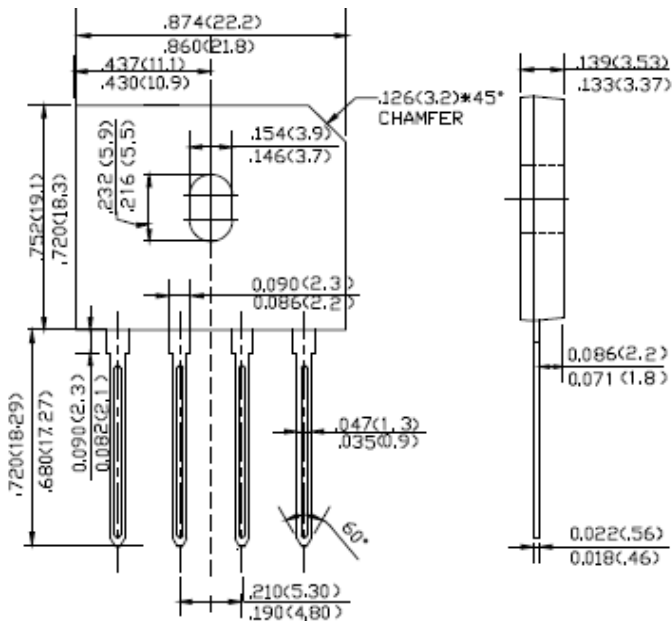
1. Mounted on glass epoxy PC board with 1.3mm² solder pad.
2. Measured at 1.0 MHz and applied reverse voltage of 4.0V D.C.



Rating and Characteristics Curves



Package Outline Dimensions



GBU

Dimensions in inches and (millimeters)