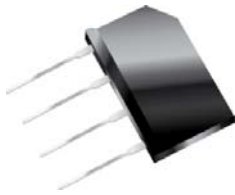
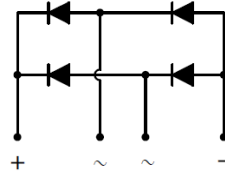




Glass Passivated Bridge Rectifiers



GBJ



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

Primary Characteristics		
I_F	20	A
V_{RRM}	50~1000	V
I_{FSM}	240	A
V_F	1.1	V
$T_J \text{ max}$	150	°C

Ordering Information			
Part No.	Remark	Package	Packing
GBJ20005 thru GBJ2010	General	GBJ	750 / Box
GBJ20005 thru GBJ2010-H	Halogen Free		

Mechanical Date
<ul style="list-style-type: none"> • Case:Molded plastic,GBJ • 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

Maximum Ratings (TA=25°C unless otherwise noted)									
PARAMETER (NOTE 1)	SYMBOL	GBJ 20005	GBJ 2001	GBJ 2002	GBJ 2004	GBJ 2006	GBJ 2008	GBJ 2010	UNIT
Peak Repetitive Reverse Voltage	V_{RRM}								V
Working Peak Reverse Voltage	V_{RWM}	50	100	200	400	600	800	1000	
DC Blocking Voltage	V_{DC}								
RMS Reverse Voltage	V_{RMS}	35	70	140	280	420	560	700	V
Average Rectified Output Current (Note 2)@TC=90°C	$I_{F(AV)}$	20.0							A
Non-Repetitive Peak Forward Surge Current 8.3ms Single half sine-wave superimposed on rated load (JEDEC Method)	I_{FSM}	240							A
I ² t Rating for Fusing (t < 8.3ms)	I ² t	239.04							A ² s
Forward Voltage per element @IF=10A @IF=20A	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							µA
Typical Junction Capacitance per leg	C_j	65							pF
Between Junction and ambient, Without heatsink	$R_{\theta JA}$	22							°C/W
Between Junction and cased, With heatsink	$R_{\theta JC}$	1.5							
Operating and Storage Temperature Range	T_J, T_{STG}	-55 to +150							°C
Marking Code		GBJ 20005	GBJ 2001	GBJ 2002	GBJ 2004	GBJ 2006	GBJ 2008	GBJ 2010	

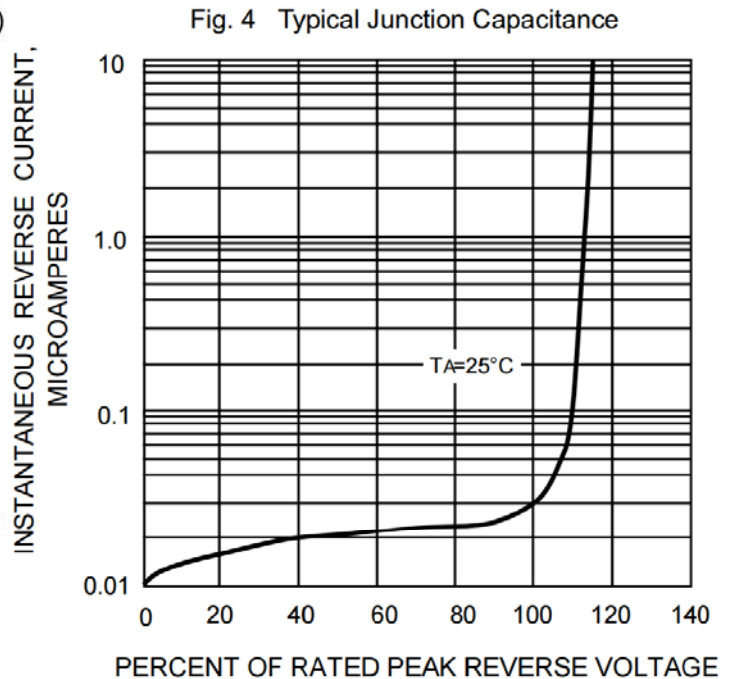
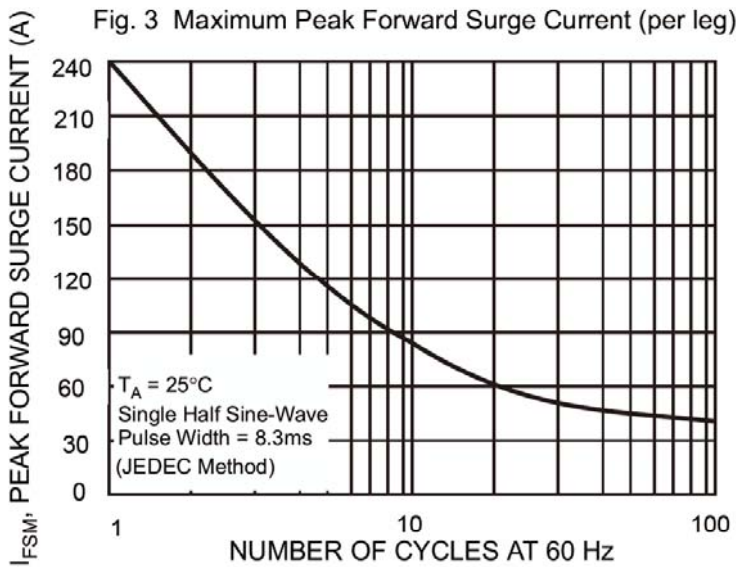
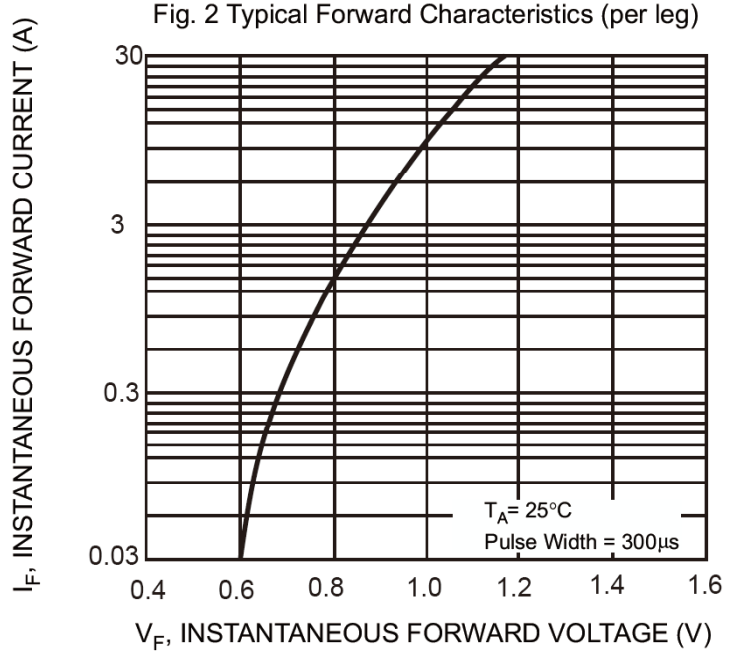
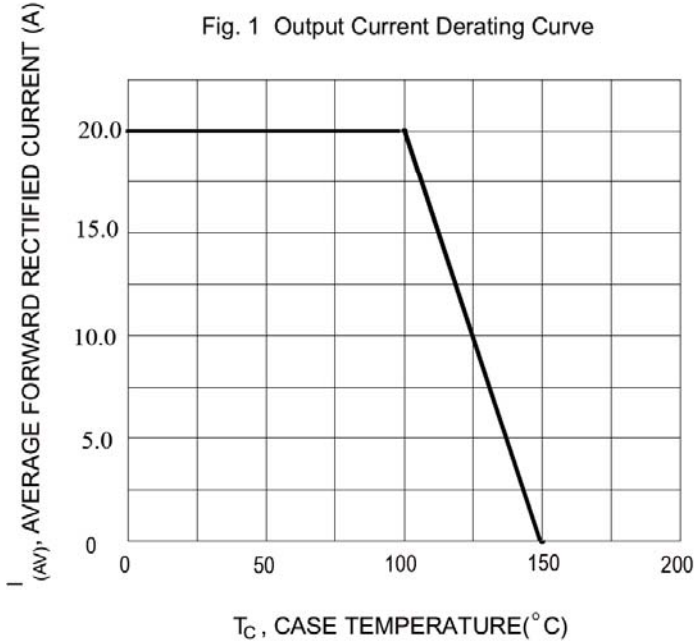
NOTES:1. "H": Halogen Free.

2. Unit case mounted on aluminum plate heatsink.



Glass Passivated Bridge Rectifiers

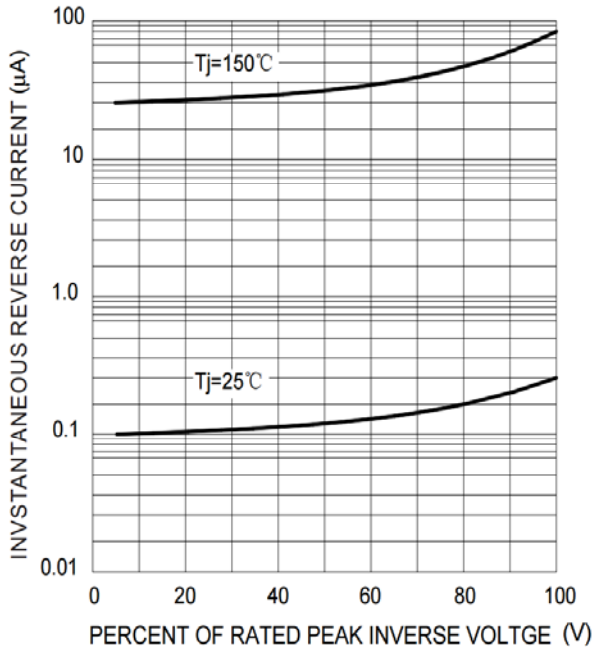
Rating and Characteristics Curves



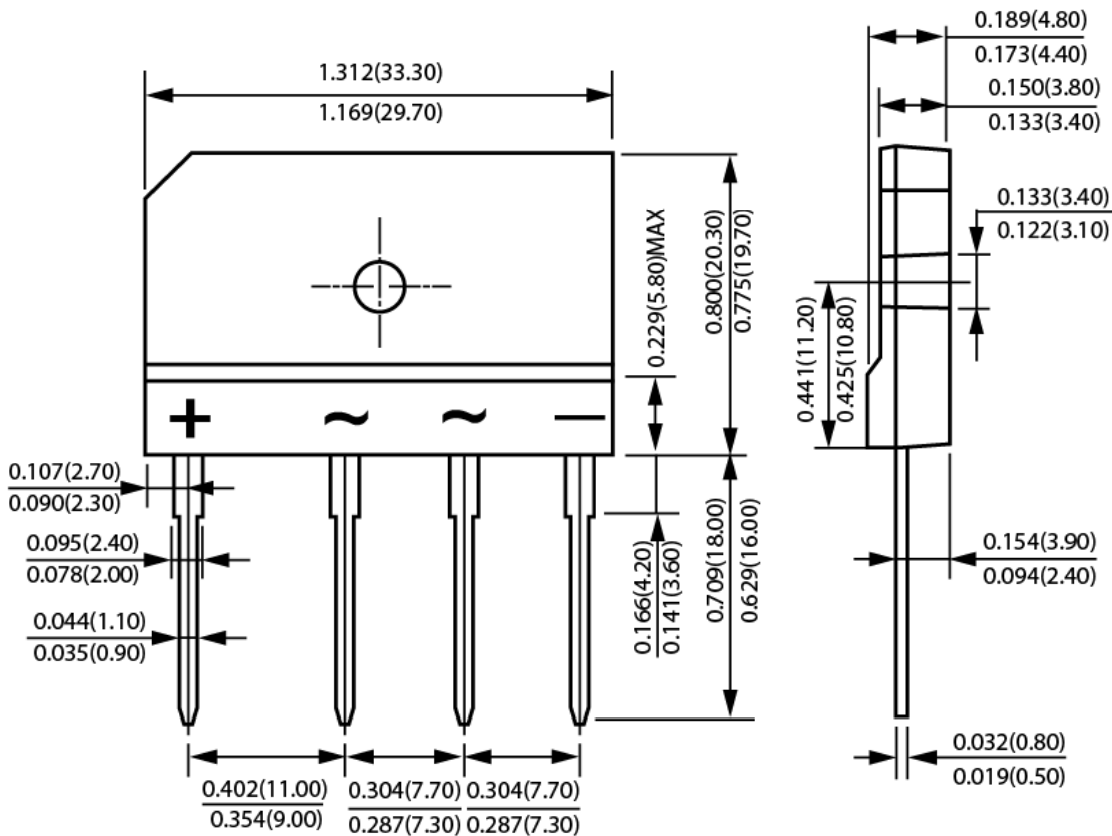


Glass Passivated Bridge Rectifiers

FIG.5 TYPICAL REVERSE CHARACTERISTICS



Package Outline Dimensions



Dimensions in inches and (millimeters)