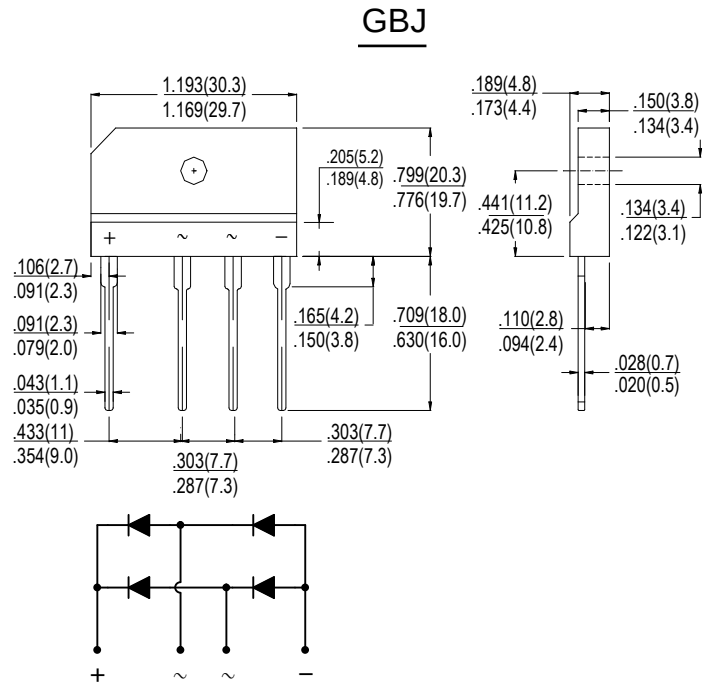


Features

- Glass passivated die construction
- Low forward voltage drop
- High current capability
- High surge current capability
- Plastic material-UL flammability 94V-0

Mechanical Data

- 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



dimensions in inches and millimeters

Maximum Ratings and Electrical Characteristics

Rating at 25°C ambient temperature unless otherwise specified.

Single Phase, half wave, 60Hz, resistive or inductive load.

For capacitive load, derate current by 20%.

TYPE NUMBER (NOTE 1)	SYMBOL	GBJ 20005	GBJ 2001	GBJ 2002	GBJ 2004	GBJ 2006	GBJ 2008	GBJ 2010	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 2)@T _C =90℃	IF(AV)	20.0							A
Non-Repetitive Peak Forward Surge Current 8.3ms Single half sine-wave superimposed on rated load (JEDEC Method)	IFSM	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℃ At Rated DC Blocking Voltage @TA=125℃	IR	5.0 500							uA
Typical Junction Capacitance per leg	CJ	65							pF
Between junction and ambient, Without heatsink	RθJA	22							℃/W
Between junction and case, With heatsink	RθJC	1.5							
Operating and Storage Temperature Range	TJ, TSTG	-55to+150							℃

Note: Unit case mounted on aluminum plate heatsink.

