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SINGLE-PHASE GLASS PASSIVATED BRIDGE RECTIFIERS

REVERSE VOLTAGE 50 to 1000 Volts

FORWARD CURRENT 20 Ampere

GBJ2010

GBJ



Rating to 1000V PRV Ideal for printed circuit board Low forward voltage drop, high current capability Reliable low cost construction utilizing molded plastic technique results in inexpensive product The plastic material has UL flammability classification 94V-0 Electrically isolated base-1500 Volts

MECHANICAL DATA

Polarity: Symbols molded on body Weight: 0.26 ounces, 7.0 grams Mounting position : Any

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

For capacitive load derate current by 20%									
PARAMETER	SYMBOL	GBJ20005	GBJ2001	GBJ2002	GBJ2004	GBJ2006	GBJ2008	GBJ2010	UNIT
Maximum Recurrent Peak Reverse	Vrrm	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	Vrms	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	VDC	50	100	200	400	600	800	1000	V
Maximum Average Forward(with heatsink Note 2) Rectified Current @ T _C =110°C(without	I(AV)				20.0 3.5				A
Peak Forward Surge Current 8.3ms single half sine-wave superimposed on rated load (JEDEC METHOD)	Ігѕм				260				A
Maximum forward Voltage at 10A DC	V _F	1.05							V
$\begin{array}{llllllllllllllllllllllllllllllllllll$	IR	5.0 500							uA
I ² t Rating for fusing(t<8.3ms)	l ² t	240							A ² S
Typical Junction Capacitance per element(Note 1)	CJ	60							pF
Typical Thermal Resistance (Note 2)	Rejc	0.8							℃W
Operating Temperature Range	TJ	-55 to +150							°C
Storage Temperature Range	Тѕтс	-55 to +150							°C

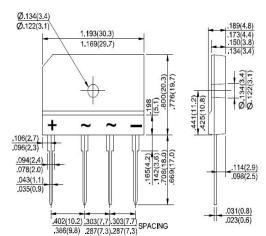
1- Measured at 1.0MHz and applied reverse voltage of 4.0V DC.

2- Device mounted on 300mm x 300mm x 1.6mm Cu Plate Heatsink.

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Ratings at 25 $^{\circ}$ C ambient temperature unless otherwise specified , Dimensions in inches and (millimeters) Single phase, half wave, 60Hz, resistive or inductive load.

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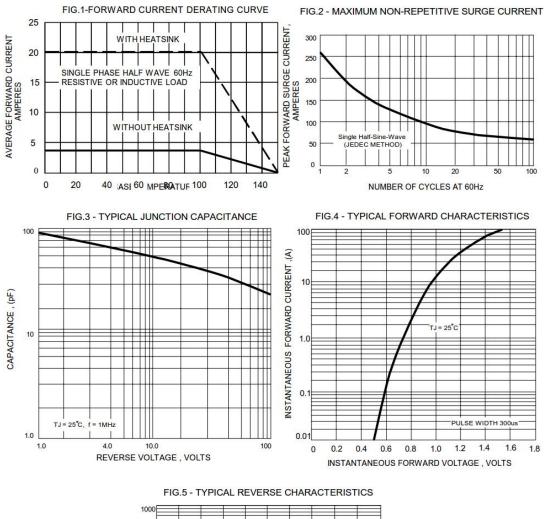
Trimming Potentiometers • Bridge Rectifiers • Diodes & Transistors • Surge Arresters • OSC & Quartz Crystals • MLCC & Tantalum Capacitors

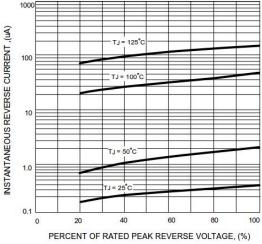
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RATINGS AND CHARACTERISTIC CURVES

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Note: Specifications are subject to change without notice.

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