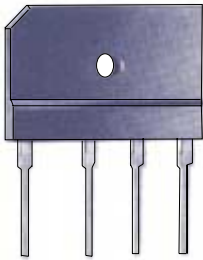


GBJ6005 THRU GBJ610



SINGLE PHASE 6.0 AMPS GLASS PASSIVATED BRIDGE RECTIFIERS



FEATURES

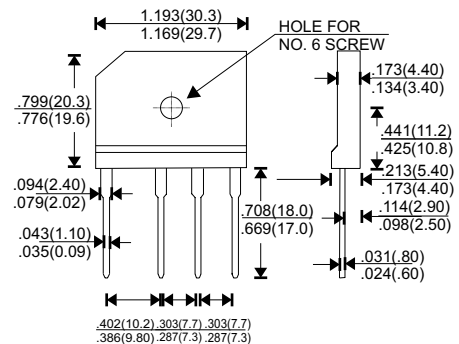
- * Ideal for printed circuit board
- * Low forward voltage
 - * Low leakage current
- * Polarity: marked on body
- * Mounting position: Any
 - * Both normal and Pb free product are available:
 - * Normal: 80~95%Sn, 5~20%Pb
 - * Pb free: 99 Sn above can meet Rohs environment substance directive request

VOLTAGE RANGE

50 to 1000 Volts

CURRENT

6.0 Ampere



Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating 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	GBJ 6005	GBJ 601	GBJ 602	GBJ 604	GBJ 606	GBJ 608	GBJ 610	UNITS
Maximum Recurrent Peak Reverse Voltage	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current								
.375"(9.5mm) Lead Length at Tc=50 °C	6.0							A
Peak Forward Surge Current, 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)	200							A
Maximum Forward Voltage Drop per Bridge Element at 3.0A D.C.	1.1							V
Maximum DC Reverse Current	5							μA
at Rated DC Blocking Voltage	200							μA
Storage Temperature Range, TSTG	-55 — +150							°C

RATING AND CHARACTERISTIC CURVES (GBJ6005 THRU GBJ610)

FIG.1-TYPICAL FORWARD CURRENT DERATING CURVE

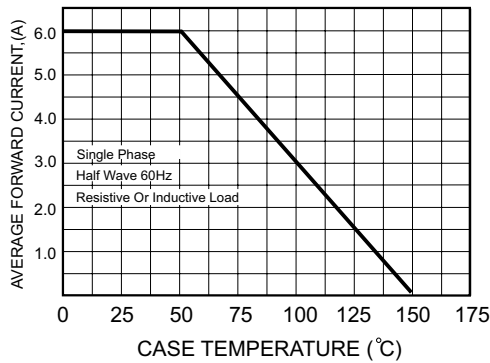


FIG.2-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

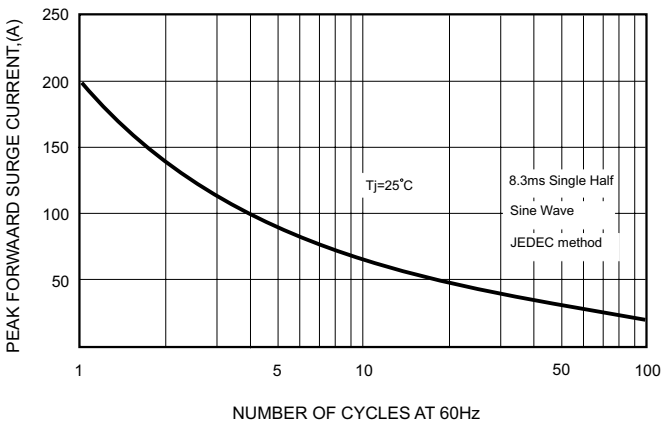


FIG.3-TYPICAL FORWARD CHARACTERISTICS

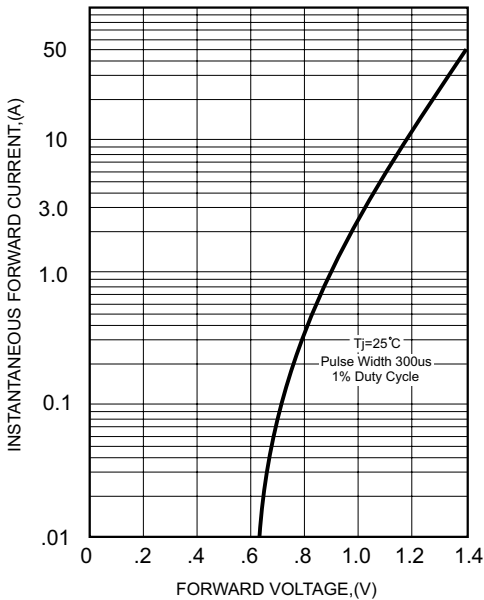


FIG.4-TYPICAL REVERSE CHARACTERISTICS

