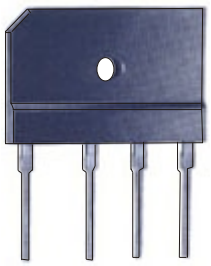
GBJ15005 THRU GBJ1510

SINGLE PHASE 15.0 AMPS GLASS PASSIVATED BRIDGE RECTIFIERS



FEATURES

* Ideal for printed circuit board
* Low forward voltage
* Low leakage current
* Polarity: marked on body
* Mounting position: Any
* Lead Free Finish/RoHS Compliant

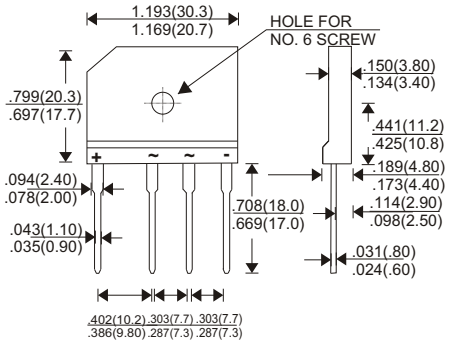
VOLTAGE RANGE

50 to 1000 Volts

CURRENT

15.0 Ampere

GBJ



Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating 25˚C ambient temperature uniess otherwies specified.
Single phase half wave, 60Hz, resistive or inductive load.
For capacitive load, derate current by 20%.

TYPE NUMBER	GBJ 15005	GBJ 1501	GBJ 1502	GBJ 1504	GBJ 1506	GBJ 1508	GBJ 1510	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(with heatsink note1) Rectifierd current at Tc=100˚C without heatsink	15.0							A
Peak Forward Surge Current, 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)	220							A
Maximum Forward Voltage Drop per Bridge Element at 7.5A D.C.	1.1							V
Maximum DC Reverse Current Ta=25˚C	10							uA
at Rated DC Blocking Voltage Ta=100˚C	500							uA
Storage Temperature Range, TSTG	-55— +150							˚C

Note 1 : Device monuted on 300mm*300mm*1.6mm Cu Plate Heatsink.

RATING AND CHARACTERISTIC CURVES (GBJ15005 THRU GBJ1510)

FIG.1-TYPICAL FORWARD CURRENT DERATING CURVE

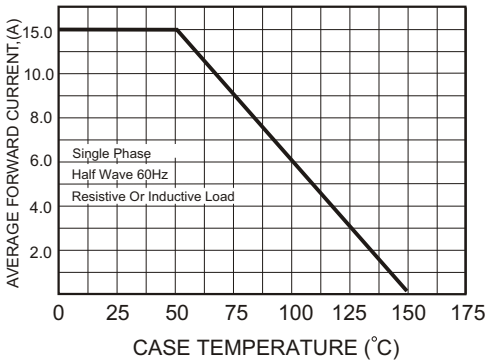


FIG.2-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

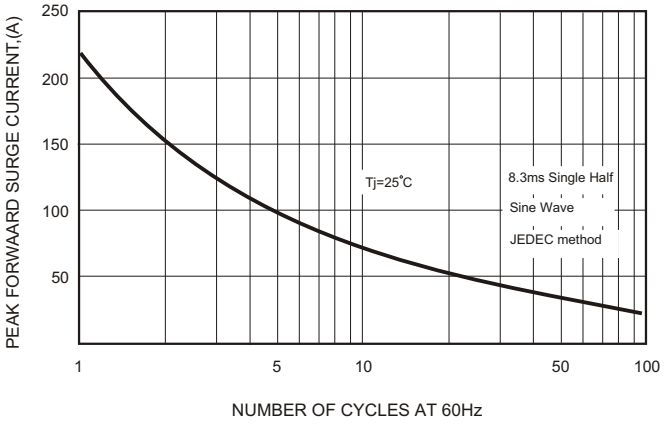


FIG.3-TYPICAL FORWARD CHARACTERISTICS

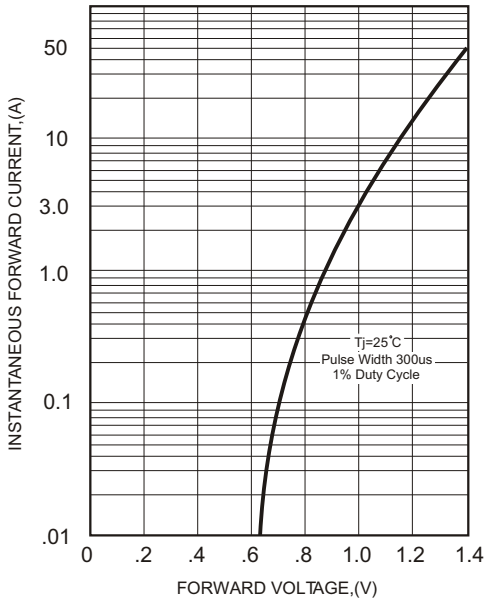


FIG.4-TYPICAL REVERSE CHARACTERISTICS