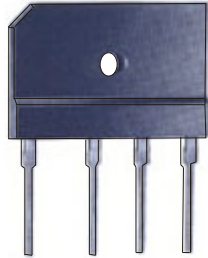


# GBJ35005 THRU GBJ3510



SINGLE PHASE 35 AMP BRIDGE RECTIFIERS



## FEATURES

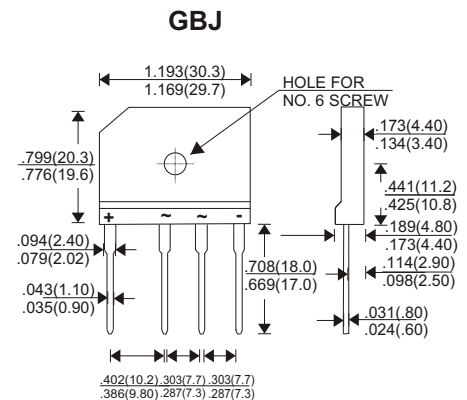
- \* Rating to 1000V PRV
- \* Ideal for printed circuit board
- \* Low forward voltage drop high current capability
- \* Reliable low cost construction utilizing molded plastic Technique results in inexpensive product
- \* The plastic material has UL flammability classification 94v-0
- \* Both normal 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

35.0 Ampere



## 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	GBJ35005	GBJ3501	GBJ3502	GBJ3504	GBJ3506	GBJ3508	GBJ3510	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=55°C								35	A
Peak Forward Surge Current, 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)								400	A
Maximum Forward Voltage Drop per Bridge Element at 17.5A DC								1.1	V
Maximum DC Reverse Current Ta=25°C								10	A
at Rated DC Blocking Voltage Ta=100°C								500	A
Operating Temperature Range, Tj								-55 — +150	°C
Storage Temperature Range, TSTG								-55 — +150	°C

## RATING AND CHARACTERISTIC CURVES (GBJ35005 THRU GBJ3510)

FIG.1-TYPICAL FORWARD CURRENT DERATING CURVE

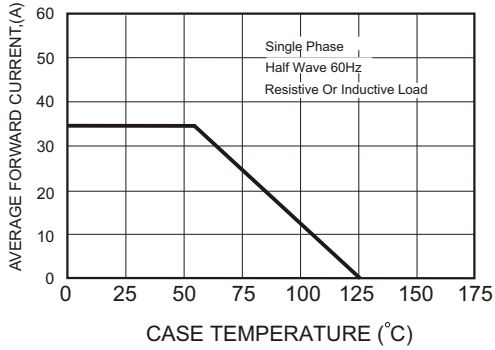


FIG.2-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

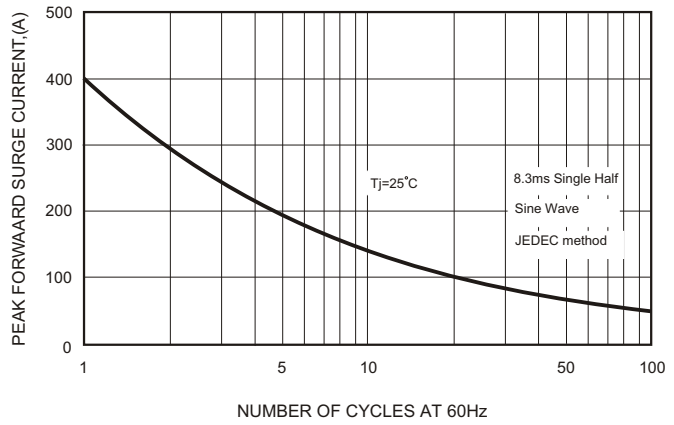


FIG.3-TYPICAL FORWARD CHARACTERISTICS

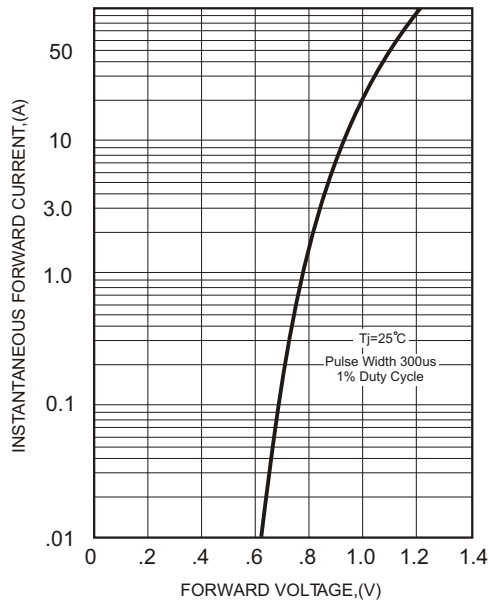


FIG.4-TYPICAL REVERSE CHARACTERISTICS

