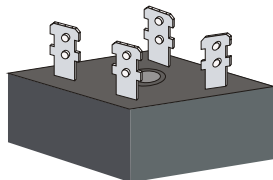




GBPC35005 THRU GBPC3510

SINGLE PHASE 35.0 AMP BRIDGE RECTIFIERS



FEATURES

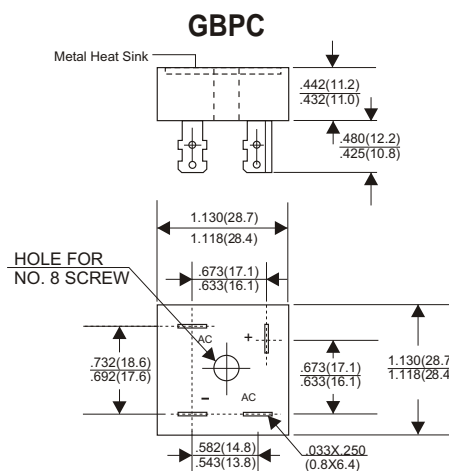
- * Superior thermal design
- * 300 amperes surge capability
- * Mounting: Hole thru for #8 screw
- * Case: Epoxy case with Heat Sink internally Mounted in the Bridge encapsulation

VOLTAGE RANGE

50 to 1000 Volts

CURRENT

35.0 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	GBPC35005	GBPC3501	GBPC3502	GBPC3504	GBPC3506	GBPC3508	GBPC3510	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								35.0	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 D.C.								1.2	V
Maximum DC Reverse Current Ta=25°C								10	A
at Rated DC Blocking Voltage Ta=100°C								100	A
Operating Temperature Range, Tj								-65 — +150	°C
Storage Temperature Range, Tstg								-65 — +150	°C

RATING AND CHARACTERISTIC CURVES (GBPC35005 THRU GBPC3510)

FIG.1-TYPICAL FORWARD CURRENT DERATING CURVE

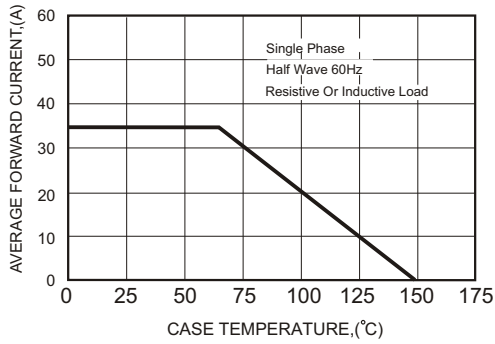


FIG.2-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

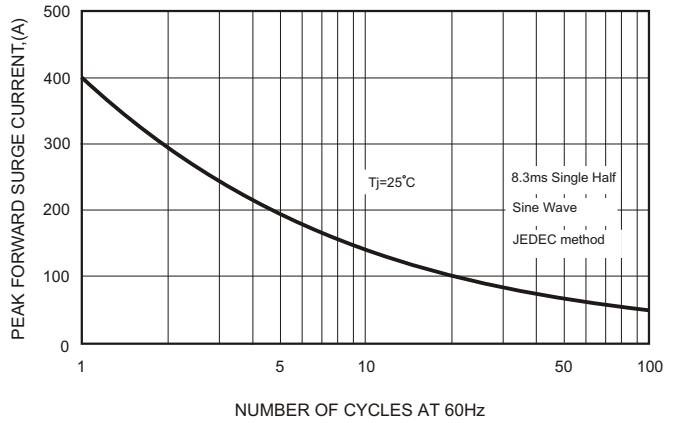


FIG.3-TYPICAL FORWARD CHARACTERISTICS

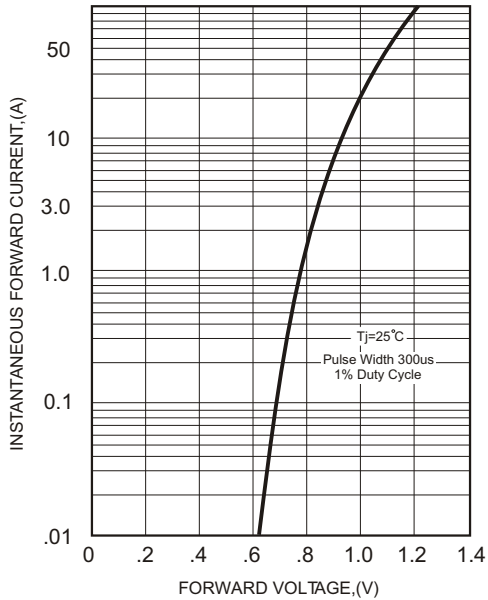
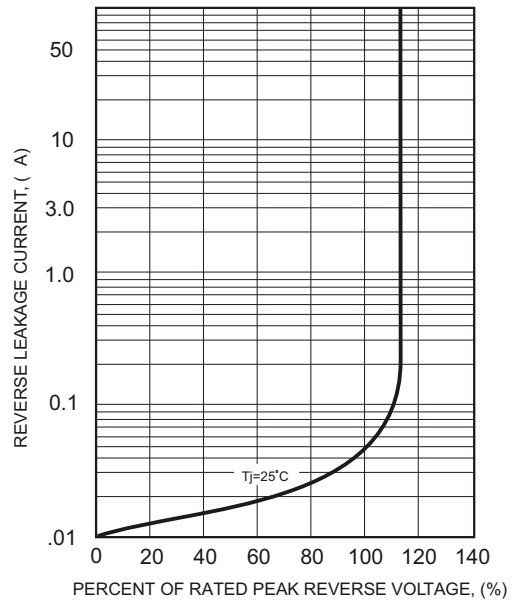


FIG.4-TYPICAL REVERSE CHARACTERISTICS



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