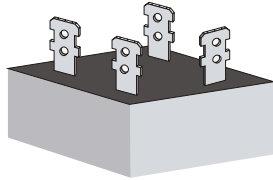
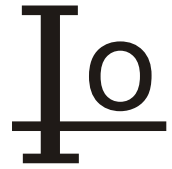


# GBPC25005 THRU GBPC2510

SINGLE PHASE 25 AMP GLASS PASSIVATED BRIDGE RECTIFIERS



## FEATURES

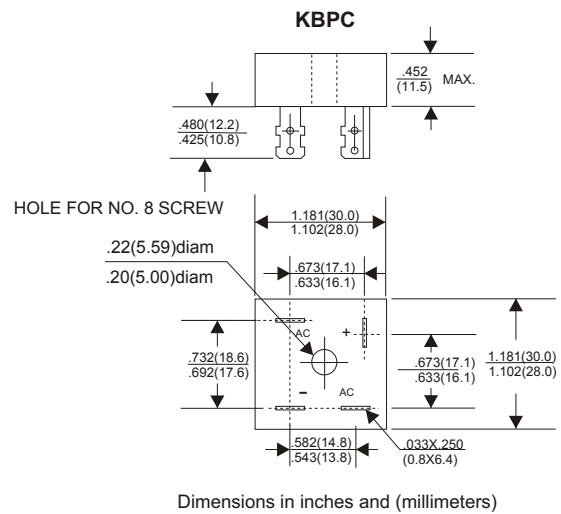
- \* Superior thermal design
- \* 400 amperes surge capability
- \* Mounting: Hole thru for NO.10 screw
- \* 1/4" universal faston terminal
- \* Lead Free Finish/RoHS Compliant

## VOLTAGE RANGE

50 to 1000 Volts

## CURRENT

25.0 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	GBPC25005	GBPC2501	GBPC2502	GBPC2504	GBPC2506	GBPC2508	GBPC2510	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								25	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 12.5 A D.C.								1.1	V
Maximum DC Reverse Current Ta=25°C								10	uA
at Rated DC Blocking Voltage Ta=100°C								500	uA
Operating Temperature Range, Tc								-50 — +150	°C
Storage Temperature Range, Ta								-55 — +150	°C

## RATING AND CHARACTERISTIC CURVES (GBPC25005 THRU GBPC2510)

FIG.1-TYPICAL FORWARD CURRENT DERATING CURVE

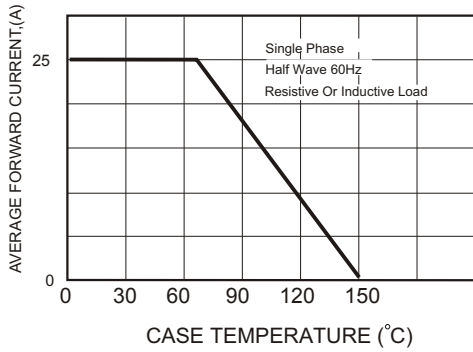


FIG.2-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

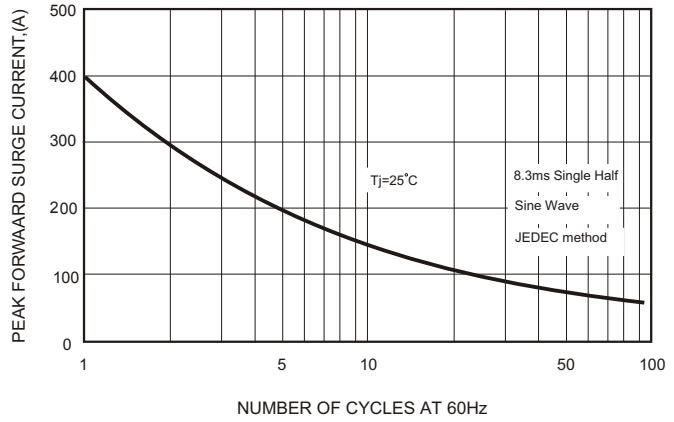


FIG.3-TYPICAL FORWARD CHARACTERISTICS

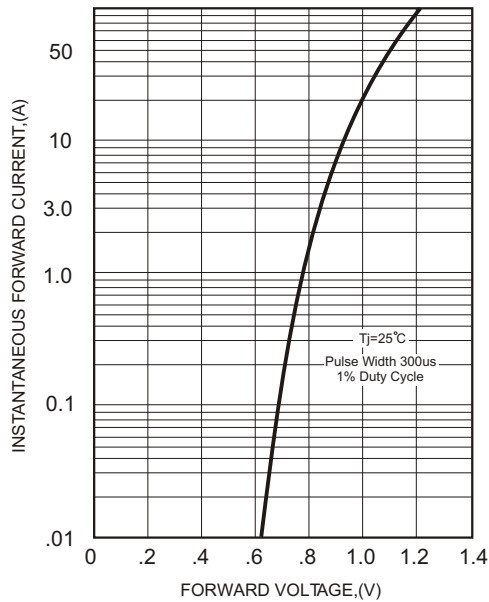


FIG.4-TYPICAL REVERSE CHARACTERISTICS

