



GBPC25005 THRU GBPC2510



Glass Passivated Bridge Rectifiers



GBPC

Features
• Surge overload 350 amperes peak
• Low forward voltage drop
• Mounting position :Any
• Electrically isolated base-2000 Vlots
• Solderable 0.25" FAST ON terminals
• Materials used carries U/L recognition

Ordering Information		
Part No.	Package	Packing
GBPC25005 THRU GBPC2510	GBPC	50/Box

Maximum Ratings (TA=25°C unless otherwise noted)									
PARAMETER	SYMBOL	GBPC	GBP	GBP	GBP	GBPC	GBP	GBPC	UNIT
		25005	2501	2502	2504	2506	2508	2510	
Maximum repetitive peak reverse voltage	V_{RRM}	50	100	200	400	600	800	1000	V
Maximum RMS Bridge Input Voltage	V_{RMS}	35	70	140	280	420	560	700	V
Maximum Average Forward Rectified Output Current @ Tc=55°C	I(AV)	25							V
Peak Forward Surge Current,8.3ms Single Half Sine-Wave,Super Imposed on Rated Load	I_{FSM}	350							A
Maximum Forward Voltage Drop Per Element at 12.5A Peak	V_F	1.1							V
Maximum Reverse Current at Rated DC Blocking Voltage Per Element @ Tj=25°C	I_R	10							uA
Operating Temperature Range	T_J	-55 to +150							°C
Storage Temperature Range	T_{STG}	-55 to +150							°C



Rating and Characteristics Curvers

FIG.1-MAXIMUM FORWARD SURGE CURRENT

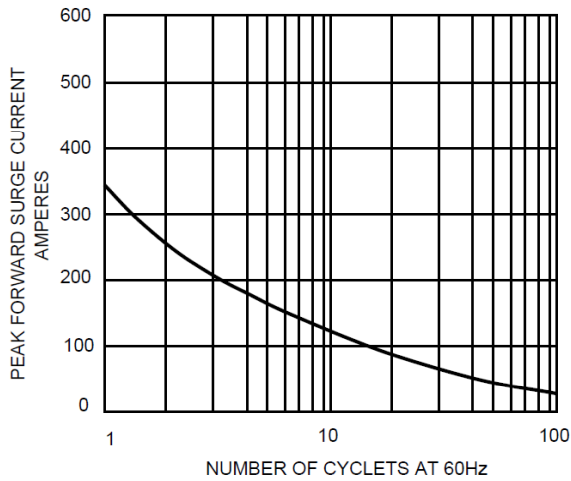


FIG.2- DERATING CURVE OUTPUT RECTIFIED CURRENT

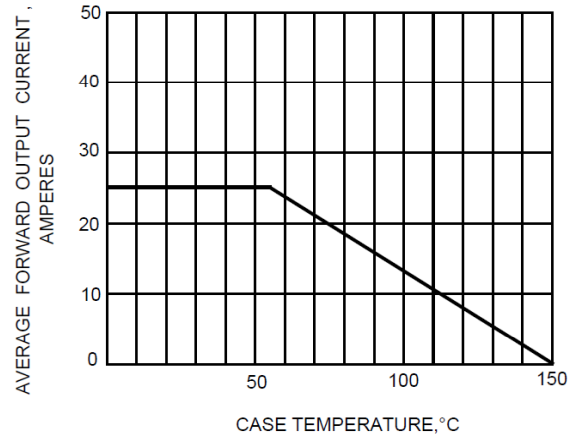


FIG.3-TYPICAL FORWARD CHARACTERISTICS

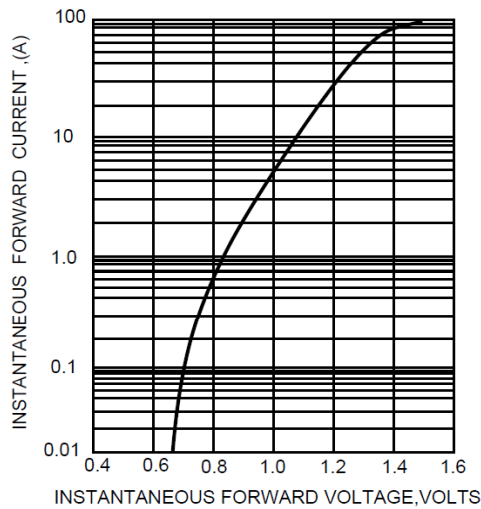
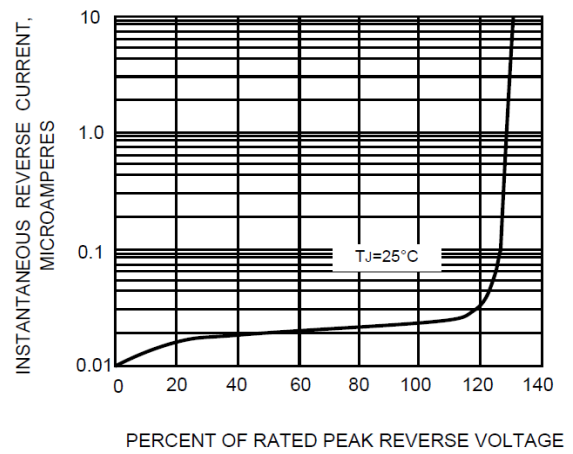


FIG.4-TYPICAL REVERSE CHARACTERISTICS



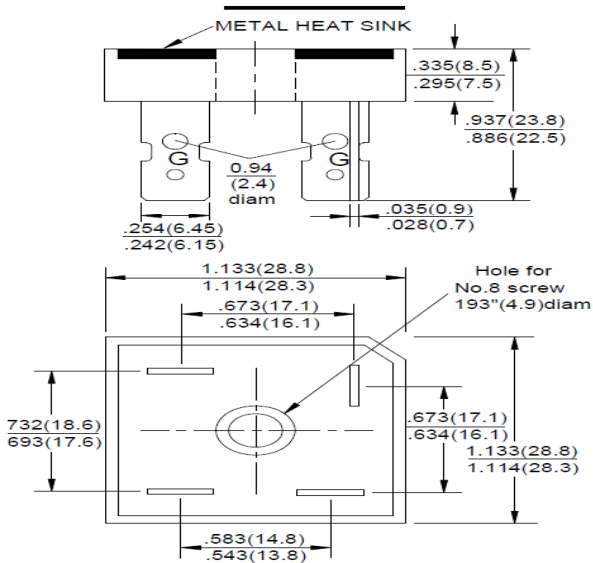


GBPC25005 THRU GBPC2510



Glass Passivated Bridge Rectifiers

Package Outline Dimensions



GBPC

Dimensions in inches and (millimeters)

Bulk Packing

Package	Inner Pack	Inner Box (EA)	Inner Box (mm)	Carton (EA)	Carton Size (mm)	Gross Weight (Kg)-Approx.
GBPC	BOX	50	203*203*44	500	435*215*260	9.2