SHANGHAI SUNRISE ELECTRONICS CO., LTD.

GBPC25005 THRU GBPC2510

SINGLE PHASE GLASS
PASSIVATED BRIDGE RECTIFIER

TECHNICAL SPECIFICATION

VOLTAGE: 50 TO 1000V CURRENT: 25A

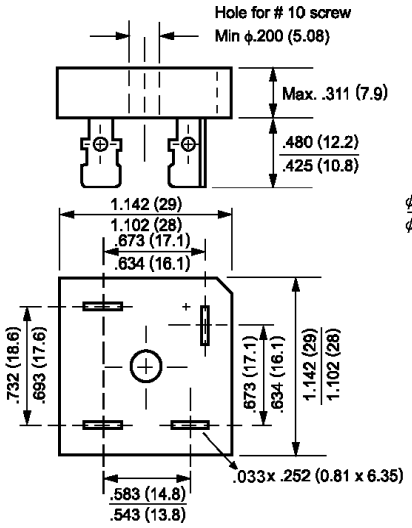
FEATURES

- Glass passivated junction chip
- Surge overload rating: 300 A peak
- Low profile design
- 1/4" universal fasten terminal and ϕ.04" lead - wire available
- High temperature soldering guaranteed: 250°C/10sec/0.375"(9.5mm) lead length at 5 lbs tension

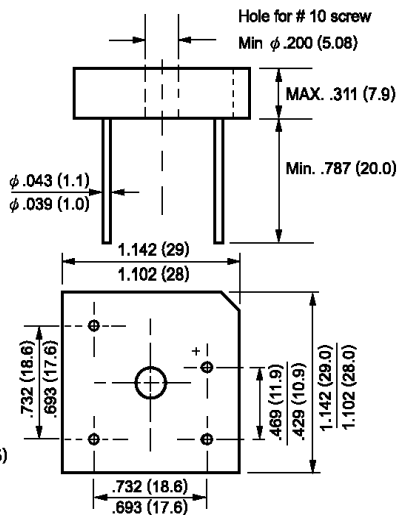
MECHANICAL DATA

- Polarity: Polarity symbol marked on body
- Mounting position: Hole thru for #10 screw

GBPC25



GBPC25W



Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

(Single-phase, half-wave, 60Hz, resistive or inductive load rating at 25°C, unless otherwise stated, for capacitive load, derate current by 20%)

RATINGS	SYMBOL	GBPC 25005	GBPC 2501	GBPC 2502	GBPC 2504	GBPC 2506	GBPC 2508	GBPC 2510	UNITS
Maximum Repetitive Peak Reverse Voltage	V_{RRM}	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	V_{RMS}	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	V_{DC}	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current (T_c=55°C)	$I_{F(AV)}$	25							A
Peak Forward Surge Current (8.3ms single half sine-wave superimposed on rated load)	I_{FSM}	300							A
Maximum Instantaneous Forward Voltage (at forward current 12.5A)	V_F	1.1							V
Maximum DC Reverse Current T_a=25°C	I_R	10.0							µA
(at rated DC blocking voltage) T_a=100°C	I_R	500							µA
Storage and Operating Junction Temperature	T_{STG},T_J	-55 to +150							^{o}C

Note:
Suffix "W" for wire type

http://www.sse-diode.com