SHANGHAI SUNRISE ELECTRONICS CO., LTD.

D3SB10 THRU D3SB80

SINGLE PHASE GLASS
PASSIVATED SIP BRIDGE RECTIFIER

VOLTAGE: 100 TO 800V CURRENT: 4.0A

TECHNICAL SPECIFICATION

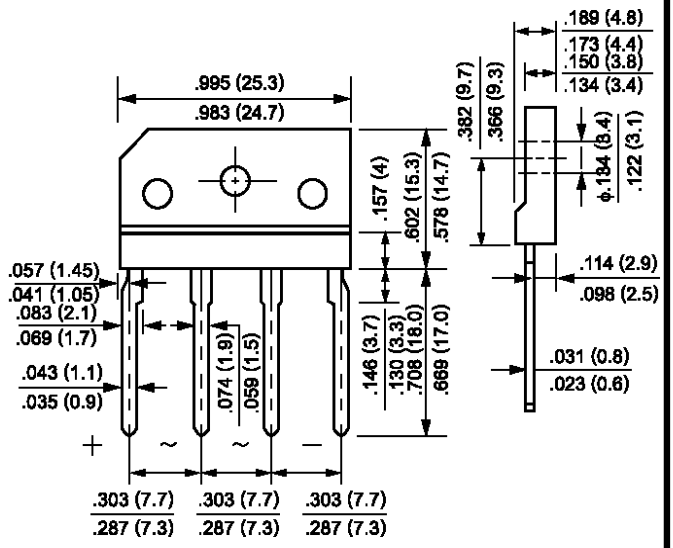
FEATURES

- Glass passivated junction chip
- Ideal for printed circuit board
- Reliable low cost construction utilizing molded plastic technique
- Surge overload rating: 120 A peak
- High temperature soldering guaranteed: 250°C/10sec/ 0.375" (9.5mm) lead length at 5 lbs tension

MECHANICAL DATA

- Terminal: Plated leads solderable per MIL-STD 202E, method 208C
- Case: UL-94 Class V-O recognized flame retardant epoxy
- Polarity: Polarity symbol marked on body
- Mounting position: Any

D3-SB



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	D3SB 10	D3SB 20	D3SB 40	D3SB 60	D3SB 80	UNITS
Maximum Repetitive Peak Reverse Voltage	V_{RRM}	100	200	400	600	800	V
Maximum RMS Voltage	V_{RMS}	70	140	280	420	560	V
Maximum DC Blocking Voltage	V_{DC}	100	200	400	600	800	V
Maximum Average Forward Rectified Current (T_a=50°C)	$I_{F(AV)}$	4.0					A
Peak Forward Surge Current (8.3ms single half sine-wave superimposed on rated load)	I_{FSM}	120					A
Maximum Instantaneous Forward Voltage (at forward current 2.0A DC)	V_F	1.1					V
Maximum DC Reverse Current T_a=25°C	I_R	10					μA
(at rated DC blocking voltage) T_a=125°C		500					μA
Storage and Operating Junction Temperature	T_{STG},T_J	-55 to + 150					°C