W SHANGHAI SUNRISE ELECTRONICS CO., LTD.

D8SB10 THRU D8SB100 SINGLE PHASE GLASS PASSIVATED SIP BRIDGE RECTIFIER VOLTAGE: 100 TO 1000V CURRENT: 8.0A

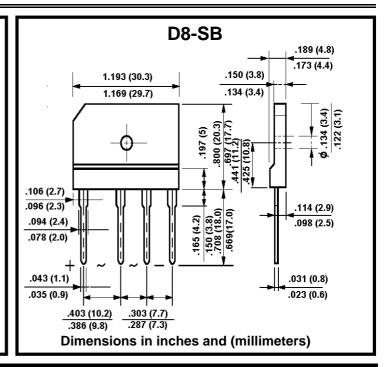
TECHNICAL SPECIFICATION

FEATURES

- Glass passivated junction chip
- Ideal for printed circuit board
- Reliable low cost construction utilizing molded plastic technique
- Surge overload rating: 175 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



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	D8SB 10	D8SB 20	D8SB 40	D8SB 60	D8SB 80	D8SB 100	UNITS
Maximum Repetitive Peak Reverse Voltage	V _{RRM}	100	200	400	600	800	1000	V
Maximum RMS Voltage	V _{RMS}	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	V _{DC}	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current (T _a =70°C)	I _{F(AV)}	8.0						А
Peak Forward Surge Current (8.3ms single half sine-wave superimposed on rated load)	I _{FSM}	175						А
Maximum Instantaneous Forward Voltage (at forward current 4.0A DC)	V_{F}	1.1						V
Maximum DC Reverse Current $T_a=25^{\circ}C$ (at rated DC blocking voltage) $T_a=125^{\circ}C$	I _R		5 500					
Storage and Operating Junction Temperature	T _{STG} ,T _J	-55 to + 150						°C

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