SHANGHAI SUNRISE ELECTRONICS CO., LTD.

D5SB10 THRU D5SB80 SINGLE PHASE GLASS PASSIVATED SIP BRIDGE RECTIFIER VOLTAGE: 100 TO 800V CURRENT: 6.0A

TECHNICAL SPECIFICATION

FEATURES

- Glass passivated junction chip
- Ideal for printed circuit board
- Reliable low cost construction utilizing molded plastic technique
- Surge overload rating: 150 A peak
- High temperature soldering guaranteed: 250°C/10sec/ 0.575" (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

D5-SB .189 (4.8) .173 (4.4) .150 (3.8) 1.193 (30.3) .134 (3.4) 1.169 (29.7) .134 (3.4) .122 (3.1) (20.3) (17.7) 2) <u>ତ</u> .197 000 697 .106 (2.7) .096 (2.3) .114 (2.9) .165 (4.2) 150 (3.8) .708 (18.0) 669(17.0 .094 (2.4) .098 (2.5) .078 (2.0) 150 .043 (1.1) .031 (0.8) .035 (0.9) .023 (0.6) .403 (10.2) .303 (7.7) .287 (7.3) .386 (9.8) 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	D5SB 10	D5SB 20	D5SB 40	D5SB 60	D5SB 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)}	6.0					А
Peak Forward Surge Current (8.5ms single half sine-wave superimposed on rated load)	I _{FSM}	150					А
Maximum Instantaneous Forward Voltage (at forward current 3.0A DC)	V_{F}	1.1					V
Maximum DC Reverse Current $T_a=25^{\circ}C$ (at rated DC blocking voltage) $T_a=125^{\circ}C$		5 500					μΑ μΑ
Storage and Operating Junction Temperature	T _{STG} ,T _J	-55 to + 150					°C

http://www.sse-diode.com