

# SHANGHAI SUNRISE ELECTRONICS CO., LTD.

## D10SB10 THRU D10SB100

SINGLE PHASE GLASS
PASSIVATED SIP BRIDGE RECTIFIER
VOLTAGE: 100 TO 1000V CURRENT: 10A

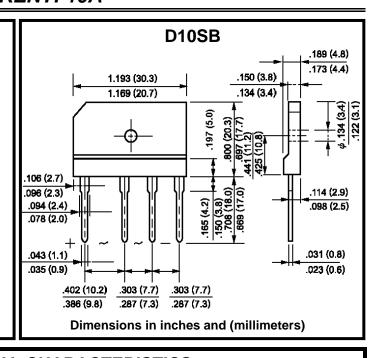
TECHNICAL SPECIFICATION

#### **FEATURES**

- Glass passivated junction chip
- Ideal for printed circuit board
- Reliable low cost construction utilizing molded plastic technique
- Surge overload rating: 200 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	D10SB 10	D10SB 20	D10SB 40	D10SB 60	D10SB 80	D10SB 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 $(T_a=70^{\circ}C)$	I <sub>F(AV)</sub>	10						Α
Peak Forward Surge Current (8.3ms single half sine-wave superimposed on rated load)	I <sub>FSM</sub>	200						Α
Maximum Instantaneous Forward Voltage (at forward current 5.0ADC)	V <sub>F</sub>	1.1						٧
Maximum DC Reverse Current $T_a=25^{\circ}$ C (at rated DC blocking voltage) $T_a=125^{\circ}$ C		5 500						μA μA
Storage and Operating Junction Temperature	$T_{STG},T_{J}$	-55 to + 150						°C

http://www.sse-diode.com