

# SURFACE MOUNT SCHOTTKY BARRIER BRIDGE RECTIFIERS

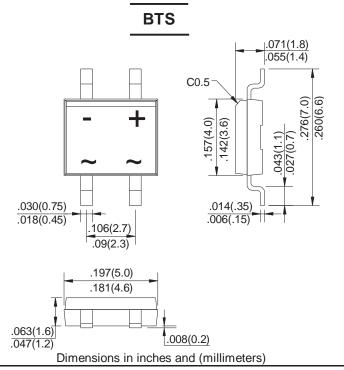
# REVERSE VOLTAGE - 100 Volts FORWARD CURRENT - 2.0 Ampere

#### **FEATURES**

- Plastic package has Underwriters Laboratory
   Flammability Classification 94V-O
   Flame Retardant Epoxy Molding Compound.
- Exceeds environmental standards of MIL-S-19500/228
- Low power loss, high efficiency.
- Low forward voltage, high efficiency.
- High surge capacity.
- Super fast recovery times, high voltage.
- Epitaxial chip construction.
- Lead free in comply with EU RoHS 2002/95/EC directives.

### **MECHANICAL DATA**

- Polarity:Symbol molded on body
- •Mounting position :Any



## MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25°C ambient temperature unless otherwise specified.

Single phase, half wave ,60Hz, resistive or inductive load.

For capacitive load, derate current by 20%

CHARACTERISTICS	SYMBOL	SBT210S	UNIT
Maximum Recurrent Peak Reverse Voltage	VRRM	100	V
Maximum RMS Voltage	VRMS	70	V
Maximum DC Blocking Voltage	VDC	100	V
Maximum Average Forward Current @Tc=50 ℃	I(AV)	2	A
Peak Forward Surge Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load(JEDEC Method)	IFSM	50	A
Peak Forward Voltage at 2.0A DC	VF	0.85	V
Maximum DC Reverse Current @TJ=25℃ at Rated DC Bolcking Voltage @TJ=125℃	l <sub>R</sub>	0.5 50	mA
Typical Junction Capacitance Per Element (Note1)	CJ	110	pF
Typical Thermal Resistance (Note3)	RөJA	95	°C/W
Operating Temperature Range	TJ	-55 to +150	$^{\circ}$
Storage Temperature Range	Tstg	-55 to +150	°C

NOTES:1.Measured at1.0MHz and applied reverse voltage of 4.0V DC.



