BT105S thru BT110S

SURFACE MOUNT GLASS PASSIVATED BRIDGE RECTIFIERS

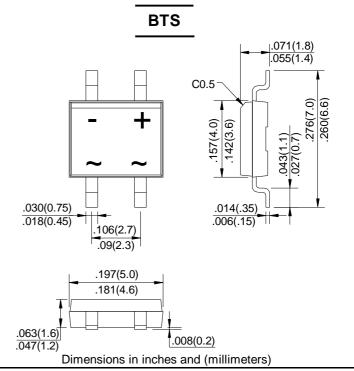
REVERSE VOLTAGE - 50 to 1000 Volts FORWARD CURRENT - 1.0 Ampere

FEATURES

- Rating to 1000V PRV
- Ideal for printed circuit board
- Reliable low cost construction utilizing molded plastic technique results in inexpensive product
- Lead tin plated copper

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	BT105S	BT11S	BT12S	BT14S	BT16S	BT18S	BT110S	UNIT
Maximum Recurrent Peak Reverse Voltage	VRRM	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	VRMS	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	VDC	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current (Note 1) @Ta=40 ℃	I(AV)	1.0							А
Peak Forward Surge Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load(JEDEC Method)	IFSM	30							А
Peak Forward Voltage at 1.0A DC	VF	1.1						V	
Maximum DC Reverse Current @TJ=25℃ at Rated DC Bolcking Voltage @TJ=125℃	lR	5.0 500							μA
Typical Junction Capacitance Per Element (Note2)	CJ	10							pF
Thermal Resistance (Note3)	Reja	95							°C/W
Thermal Resistance (Note4)	Rejc	30							°C/W
Operating Temperature Range	TJ	-55 to +150							$^{\circ}$
Storage Temperature Range	Тѕтс	-55 to +150							$^{\circ}$

NOTES:1.Mounted on P.C. board.

- 2.Measured at1.0MHz and applied reverse voltage of 4.0V DC.
- 3. Thermal resistance junction to ambient
- 4. Thermal resistance junction to case

RATING AND CHARACTERTIC CURVES BT105S thru BT110S

