BT05S thru BT10S

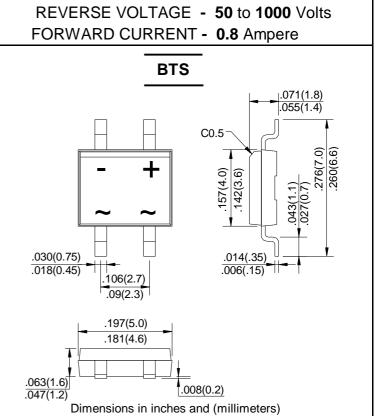
SURFACE MOUNT GLASS PASSIVATED BRIDGE RECTIFIERS

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 $^\circ\!\!\!\!{}^\circ\!\!\!{}^\circ$ ambient temperature unless otherwise specified.

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

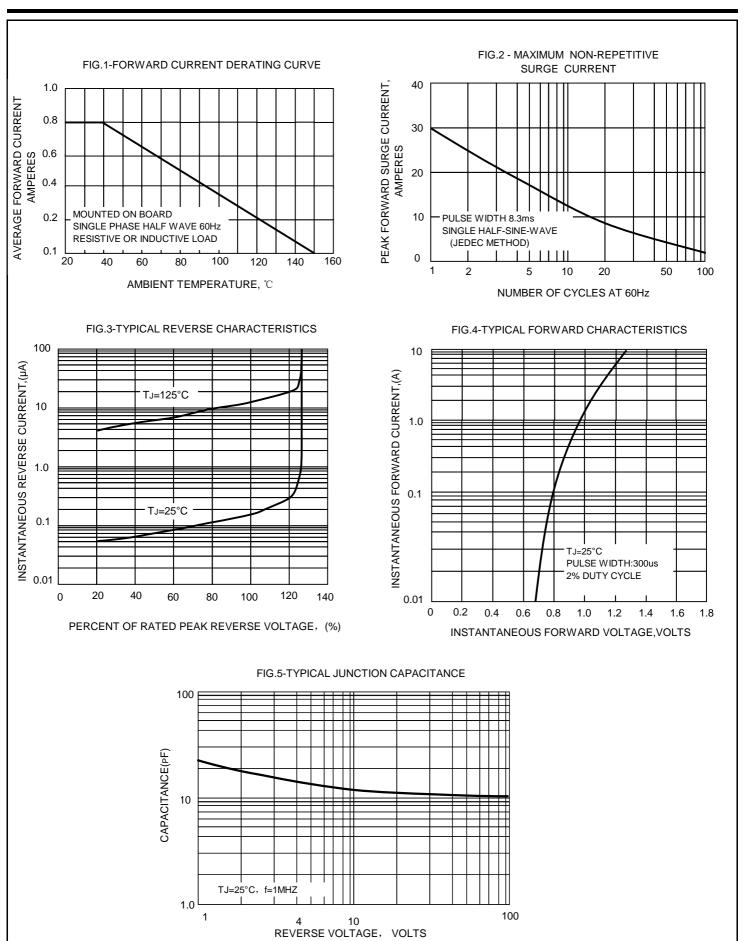
For capacitive load, derate current by 20%

SYMBOL	BT05S	BT1S	BT2S	BT4S	BT6S	BT8S	BT10S	UNIT
Vrrm	50	100	200	400	600	800	1000	V
Vrms	35	70	140	280	420	560	700	V
VDC	50	100	200	400	600	800	1000	V
I(A∨)	0.8							А
IFSM	30							A
VF	1.1						V	
lr	5.0 500							μA
Сл	15							pF
Rejc	75							°C/W
TJ	-55 to +150							°C
Tstg	-55 to +150							°C
	VRRM VRMS VDC I(AV) IFSM VF IR CJ ReJC TJ	VRRM 50 VRMS 35 VDC 50 I(AV)	VRRM 50 100 VRMS 35 70 VDC 50 100 I(AV)	VRRM 50 100 200 VRMS 35 70 140 VDC 50 100 200 I(AV)	VRRM 50 100 200 400 VRMS 35 70 140 280 VDC 50 100 200 400 I(AV) 50 100 200 400 I(AV) 0.8 30 0.8 VF 1.1 30 500 500 VF 5.0 500 500 500 CJ 15 500 75 75 TJ -55 to +150 -55 to +150 150	VRRM 50 100 200 400 600 VRMS 35 70 140 280 420 VDC 50 100 200 400 600 I(AV) 0.8 0.8 30 30 IFSM 30 30 30 500 500 VF 1.1 1.1 1.1 5.0 50 50 5	VRRM 50 100 200 400 600 800 VRMS 35 70 140 280 420 560 VDC 50 100 200 400 600 800 I(AV) 50 100 200 400 600 800 I(AV) 0.8	VRRM 50 100 200 400 600 800 1000 VRMS 35 70 140 280 420 560 700 VDC 50 100 200 400 600 800 1000 VDC 50 100 200 400 600 800 1000 I(AV) 0.8 0.8

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

2.Measured at1.0MHz and applied reverse voltage of 4.0V DC.

3. Thermal resistance junction to case



RATING AND CHARACTERTIC CURVES BT05S thru BT10S

CHANGZHOU GUANGDA ELECTRONICS CO., LTD.