

SURFACE MOUNT GLASS PASSIVATED BRIDGE RECTIFIERS	REVERSE VOLTAGE - 50 to 1000 Volts FORWARD CURRENT - 0.8 Ampere
<p>FEATURES</p> <ul style="list-style-type: none"> ● 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 <p>MECHANICAL DATA</p> <ul style="list-style-type: none"> ● Polarity: Symbol molded on body ● Mounting position : Any 	<p style="text-align: center;">BTS</p> <p style="text-align: center;">Dimensions in inches and (millimeters)</p>

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	BT05S	BT1S	BT2S	BT4S	BT6S	BT8S	BT10S	UNIT
Maximum Recurrent Peak Reverse Voltage	V _{RRM}	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	V _{RMS}	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	V _{DC}	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current (Note 1) @T _A =40 °C	I _(AV)	0.8							A
Peak Forward Surge Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load(JEDEC Method)	I _{FSM}	30							A
I ² t Rating for Fusing (t<8.3ms)	I ² t	3.7							A ² s
Peak Forward Voltage at 0.8A DC	V _F	1.05							V
Maximum DC Reverse Current @T _J =25°C at Rated DC Bolcking Voltage @T _J =125°C	I _R	5 500							μA
Typical Junction Capacitance Per Element (Note2)	C _J	15							pF
Typical Thermal Resistance (Note3)	R _{θJA}	75							°C/W
Operating Temperature Range	T _J	-55 to +150							°C
Storage Temperature Range	T _{STG}	-55 to +150							°C

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.The typical data above is for reference only(典型值仅供参考).									

FIG.1-FORWARD CURRENT DERATING CURVE

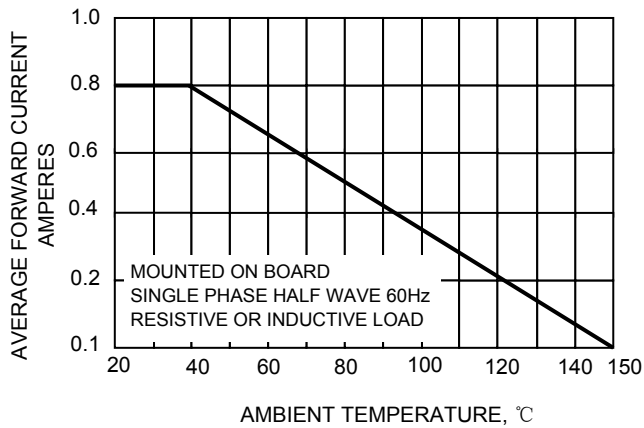


FIG.2 - MAXIMUM NON-REPETITIVE SURGE CURRENT

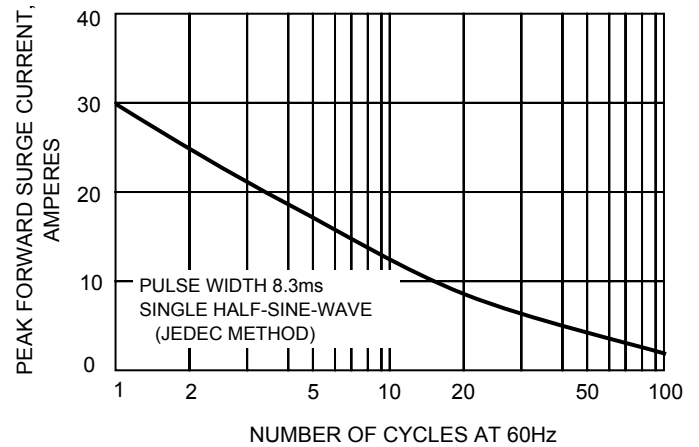


FIG.3-TYPICAL REVERSE CHARACTERISTICS

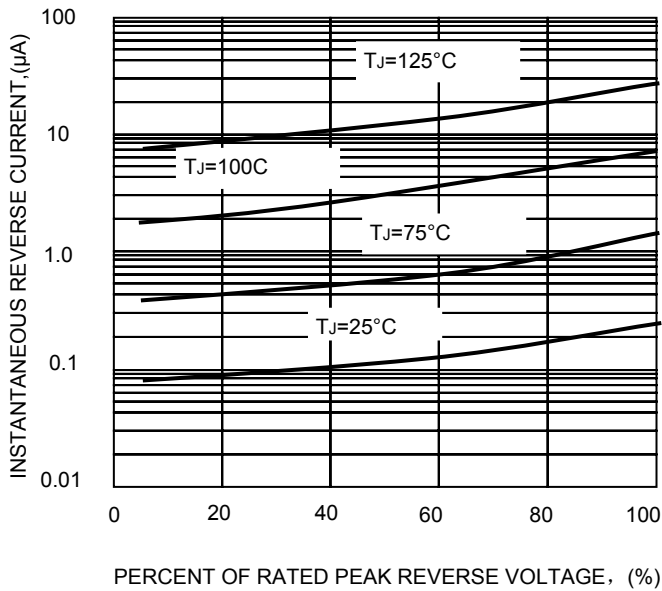


FIG.4-TYPICAL FORWARD CHARACTERISTICS

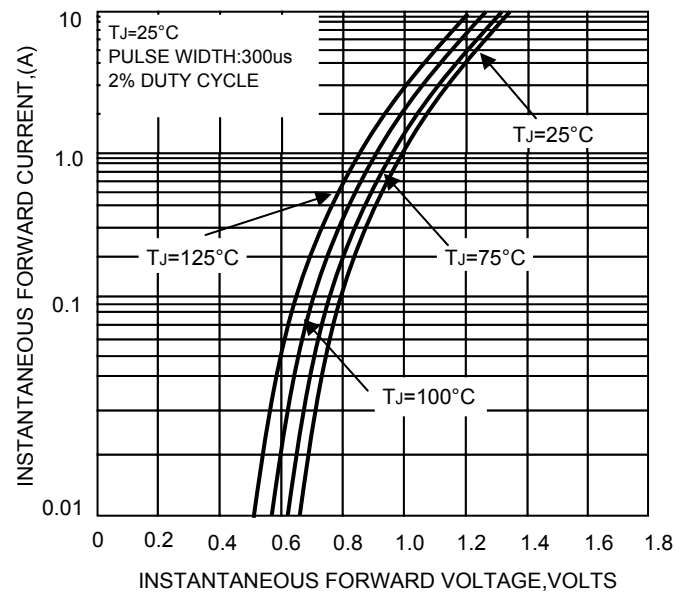
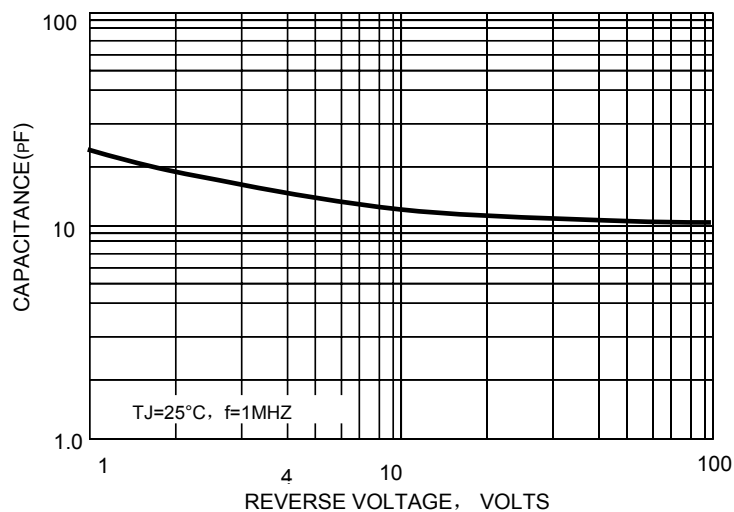


FIG.5-TYPICAL JUNCTION CAPACITANCE



The curve graph is for reference only, can't be the basis for judgment(曲线图仅供参考)!



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