GLASS PASSIVATED

BRIDGE RECTIFIERS

REVERSE VOLTAGE - **600**Volts

FORWARD CURRENT - **4.0** Amperes

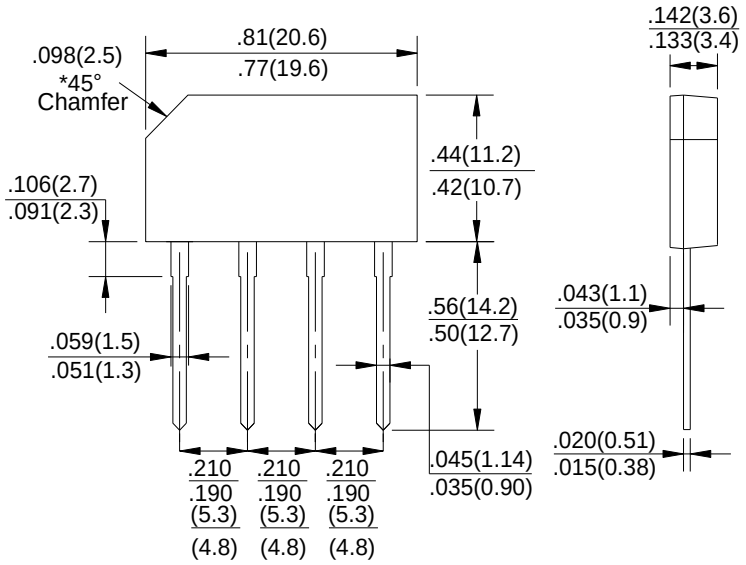
Features

- Surge overload rating - 125 amperes peak
- Ideal for printed circuit board
- Plastic material has underwriters laboratory flammability classification 94V-0
- Mounting position: Any

Typical Applications

General purpose use in AC/DC bridge full wave rectification for switching power supply, home appliances, office equipment, and telecommunication applications.

Dimensions In Inches and (milimeters)



2GBJ

Part Number Code

T	G	B	L	0	6	F
1	2	3	4	5	6	7

Product Type	
TSK	TGBL series

Peak Repetitive Reverse Voltage (V)	
06	600V

VF Type	
F	0.95
L	0.92
U	0.90/0.89

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25℃ ambient temperature unless otherwise specified.

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

For capacitive load, derate current by 20%

CHARACTERISTICS	SYMBOL	TG BL06F	UNIT
Maximum Recurrent Peak Reverse Voltage	V_{RRM}	600	V
Maximum RMS Bridge Input Voltage	V_{RMS}	420	V
Maximum DC Blocking Voltage	V_{DC}	600	V
Maximum Average Forward Rectified Output Current @ T_A=50 (Note1)	$I_{(AV)}$	4.0	A
Peak Forward Surge Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load	I_{FSM}	125	A
Maximum Forward Voltage Drop Per Bridge Element at 4.0A Peak	V_F	0.95	V
I^2t Rating for Fusing (t<8.3ms)	I^2t	65	A^2s
Maximum Reverse Current at Rated DC Blocking Voltage	I_R	10.0	A
Maximum Reverse Current at Rated DC Blocking Voltage @ T_J =100	I_R	1.0	mA
Operating Temperature Range	T_J	-55 to +150	℃
Storage Temperature Range	T_{STG}	-55 to +150	℃

Note:1.Mounting conditions,0.5〞 lead length maximum.

RATING AND CHARACTERISTIC CURVES

FIG.1-MAXIMUM NON-REPETITIVE SURGE CURRENT

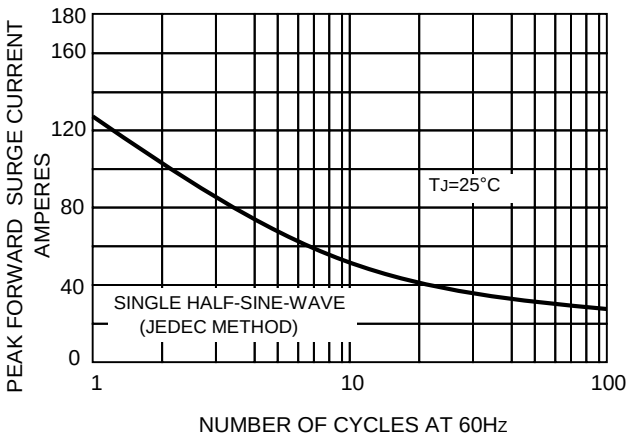


FIG.2-FORWARD DERATING CURRENT

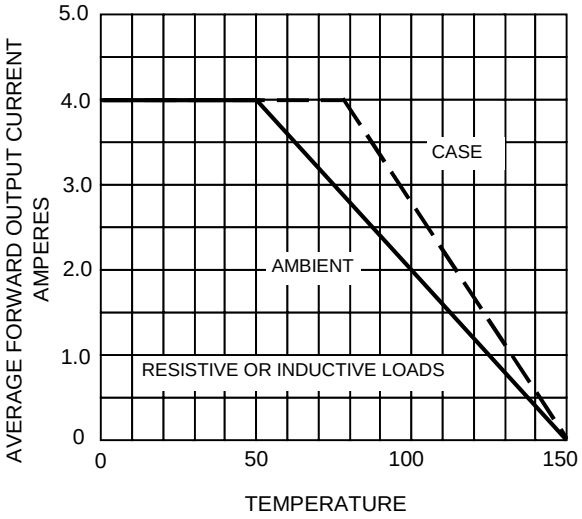


FIG.3-TYPICAL FORWARD CHARACTERISTICS

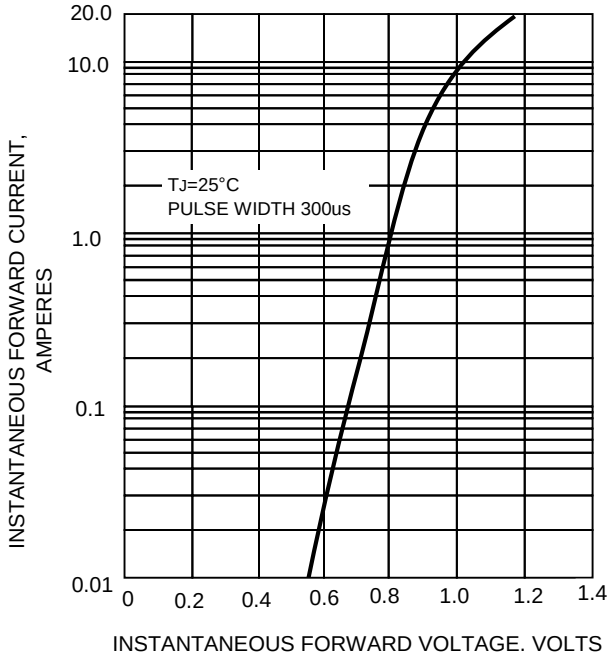
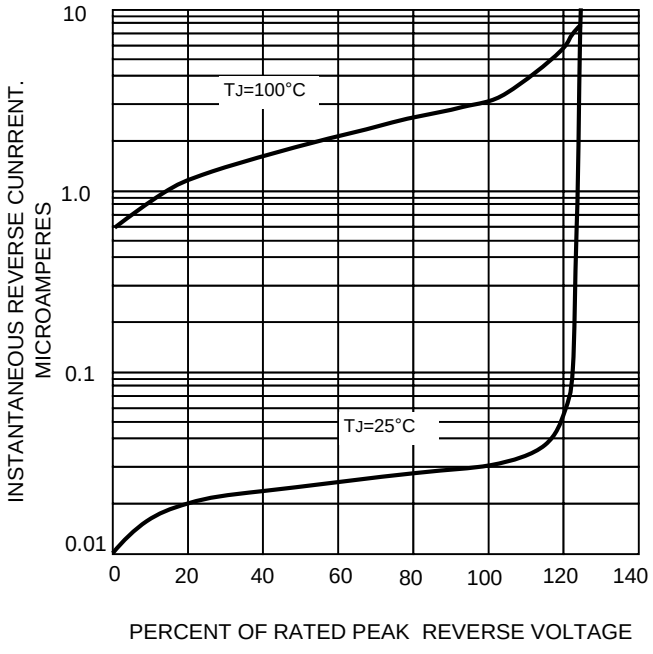


FIG.4-TYPICAL REVERSE CHARACTERISTICS



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