TBR6005G thru TBR610G

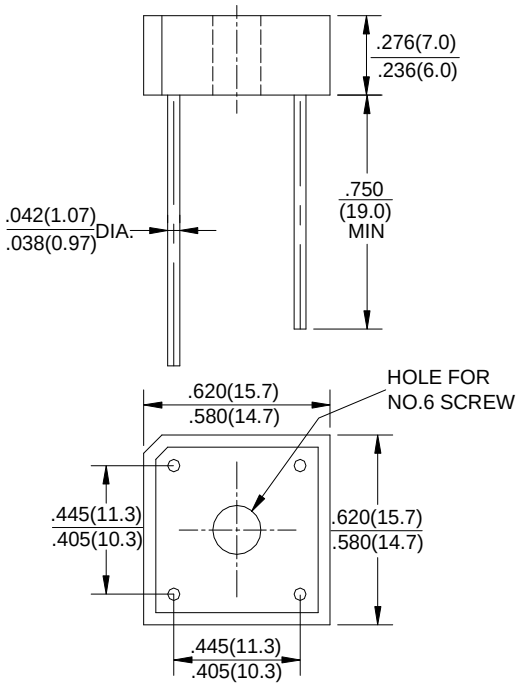
GLASS PASSIVATED
BRIDGE RECTIFIERS

REVERSE VOLTAGE - **50** to **1000**Volts
FORWARD CURRENT - **6.0** Amperes

Features

- Surge overload rating -150 amperes peak
- Low forward voltage drop
- Small size; simple installation
- Sliver plated copper leads
- Mounting position: Any

Dimensions In Inches and (milimeters)



BR6

Part Number Code

T	B	R	6	0	0	5	G
1	2	3	4	5	6	7	8

Product Type	
TSK	TBR series

Rectified Current	
6	6A

Peak Repetitive Reverse Voltage (V)	
005	50V
01	100V
02	200V

ZZZ	Internal code rule

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	TBR6005G	TBR601G	TBR602G	TBR604G	TBR606G	TBR608G	TBR610G	UNIT
Maximum Recurrent Peak Reverse Voltage	V_{RRM}	50	100	200	400	600	800	1000	V
Maximum RMS Bridge Input Voltage	V_{RMS}	35	70	140	280	420	560	700	V
Maximum Average Forward Rectified Output Current at T_A=50℃	$I_{(AV)}$	6.0							A
Peak Forward Surge Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load	I_{FSM}	150							A
Maximum Forward Voltage Drop Per Bridge Element at 3.0A Peak	V_F	1.1							V
Maximum Reverse Current at Rated T_J=25℃	I_R	10.0							μA
DC Blocking Voltage Per Element T_J=100℃		1.0							mA
Operating Temperature Range	T_J	-55 to +150							℃
Storage Temperature Range	T_{STG}	-55 to +150							℃

RATING AND CHARACTERISTIC CURVES

FIG.1-DERATING CURVE FOR
OUTPUT RECTIFIED CURRENT

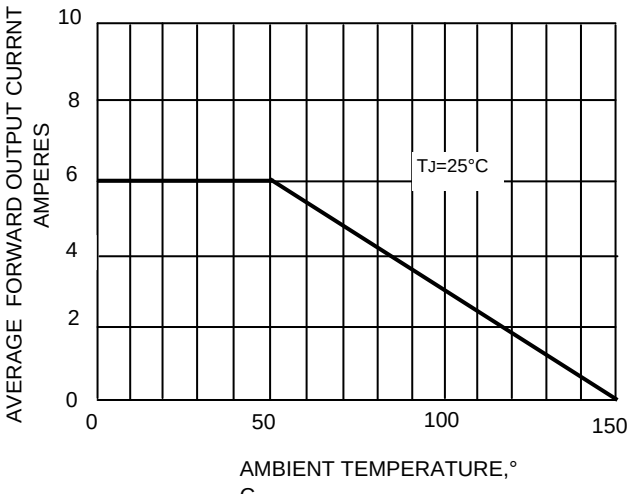


FIG.2-TYPICAL REVERSE
CHARACTERISTICS

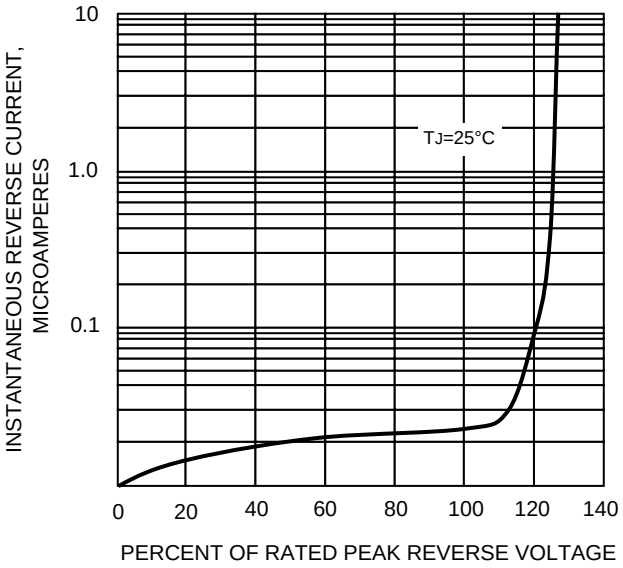


FIG.3-MAXIMUM FORWARD SUNRGE CURRENT

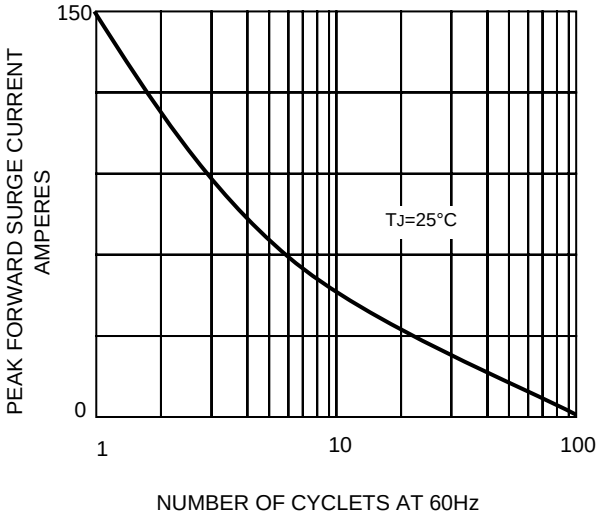
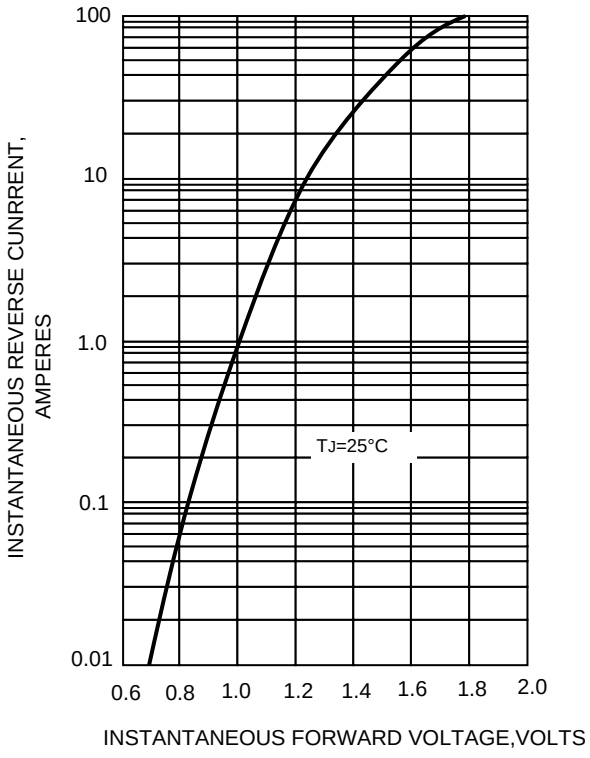


FIG.4-TYPICAL INSTANTANEOUS
FORWARD CHARACTERISTICS



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