TKBP005G thru TKBP10G

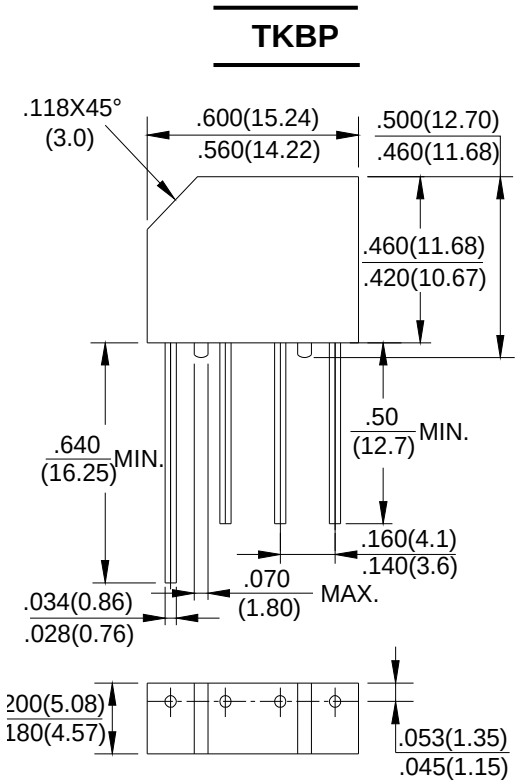
GLASS PASSIVATED
BRIDGE RECTIFIERS

REVERSE VOLTAGE - **50** to **1000** Volts
FORWARD CURRENT - **1.5** Ampere

Features

- Surge overload rating -50 amperes peak
- Ideal for printed circuit board
- Plastic material has Underwriters Laboratory flammability classification 94V-0
- Mounting position :Any

Dimensions In Inches and (milimeters)



Dimensions in inches and (millimeters)

Part Number Code

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

Product Type	
TSK	TKBP series

Peak Repetitive Reverse Voltage (V)	
005	50V
06	600 V
10	1000

ZZZ	Internal code rule

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25℃ ambient temperature unless otherwise specified.

Resistive or inductive load,60HZ.

For capacitive load, derate current by 20%

CHARACTERISTICS	SYMBOL	TKBP005G	TKBP01G	TKBP02G	TKBP04G	TKBP06G	TKBP08G	TKBP10G	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 DC Blocking Voltage	V_{DC}	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Output Current @T_A=50 ℃	$I_{(AV)}$	1.5							A
Peak Forward Surge Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load (JEDEC Method)	I_{FSM}	50							A
Maximum Forward Voltage Drop Per Bridge Element at 1.5A Peak	V_F	1.1							V
Maximum Reverse Current at Rated DC Blocking Voltage Per Element @T_J=25℃	I_R	10							μA
Maximum Reverse Current at Rated DC Blocking Voltage Per Element @T_J=100℃	I_R	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 OUTPUT RECTIFIED CURRENT

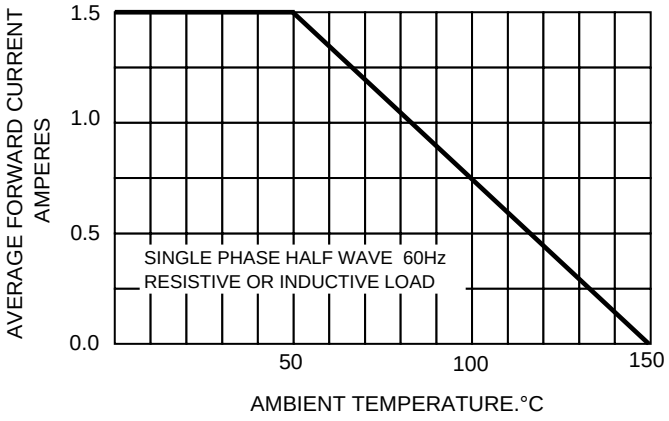


FIG.2-TYPICAL FORWARD CHARACTERISTICS

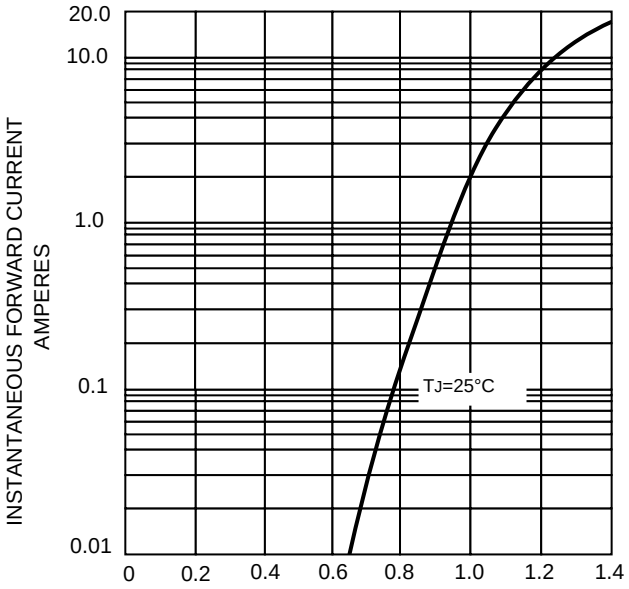


FIG.3-TYPICAL REVERSE CHARACTERISTICS

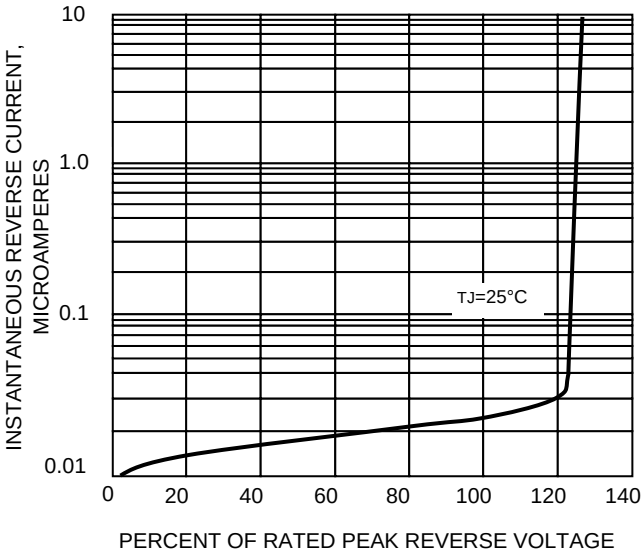
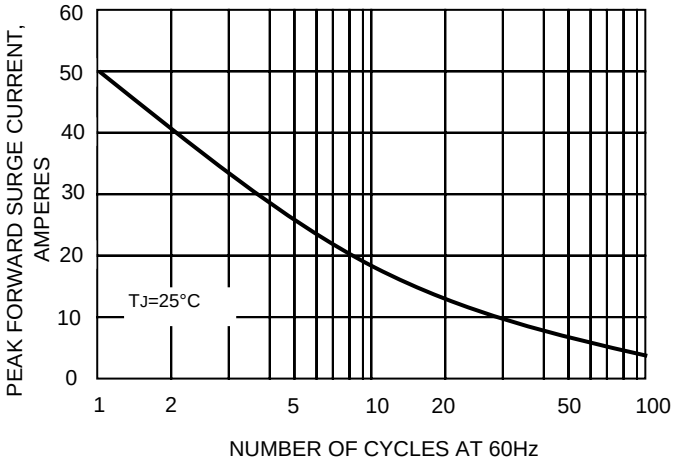


FIG.4-MAXIMUM FORWARD SURGE CURRENT



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