EVVOSEMI®
THINK CHANGE DO

ESD TVS MOS LDO Diode Sensor DC-DC

Product Specification

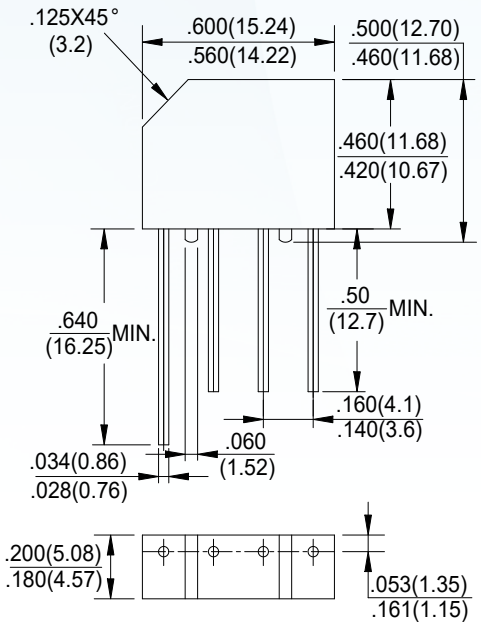
Domestic Part Number	KBP3005-KBP310
Overseas Part Number	KBP3005-KBP310
Equivalent Part Number	KBP3005-KBP310

GLASS PASSIVATED BRIDGE RECTIFIERS

REVERSE VOLTAGE **-50** to **1000**Volts
FORWARD CURRENT **-3.0** Amperes

FEATURES

- Surge overload rating -60amperes peak
- Ideal for printed circuit board
- Plastic material has UL flammability classification 94V-0
- Mounting position :Any



KBP

Dimensions in inches and (milimeters)

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	KBP 3005	KBP 301	KBP 302	KBP 304	KBP 307	KBP 308	KBP 310	UNIT
Maximum Recurrent Peak Reverse Voltage	V_{RRM}	50	100	200	400	700	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 ℃	$I_{(AV)}$	3.0							A
Peak Forward Surage Current , 8.3ms Single Half Sine-Wave Super Imposed on Rated Load	I_{FSM}	60							A
Maximum Forward Voltage Drop Per Bridge Element at 1.0A Peak	V_F	1.1							V
Maximum Reverse Current at Rated DC Blocking Voltage Per Element	I_R	10.0							uA
Maximum Reverse Current at Rated DC Blocking Voltage Per Element @T_A=100℃	I_R	1.0							mA
Operating Temperature RangeT_J	T_J	-55to+150							℃
Storage Temperature Range T_A	T_{STG}	-55to+150							℃

RATING AND CHARACTERISTIC CURVES

FIG.1-DERATING CURVE
OUTPUT RECTIFIED CURRENT

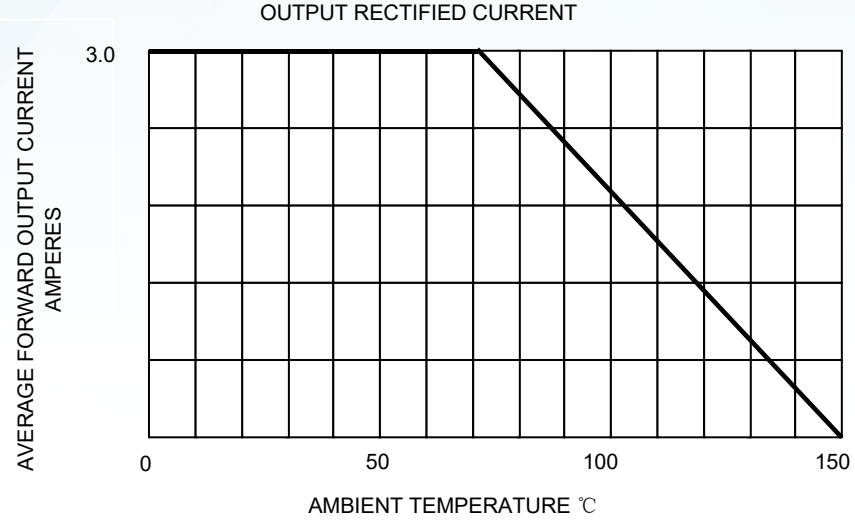


FIG.2-TYPICAL

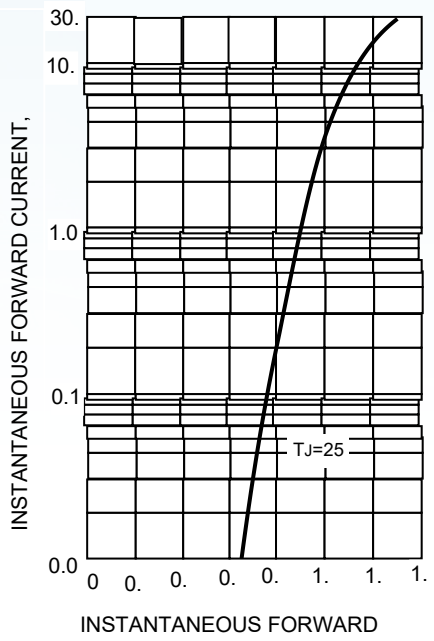


FIG.3-TYPIACL REVERSE CHARACTERISTICS

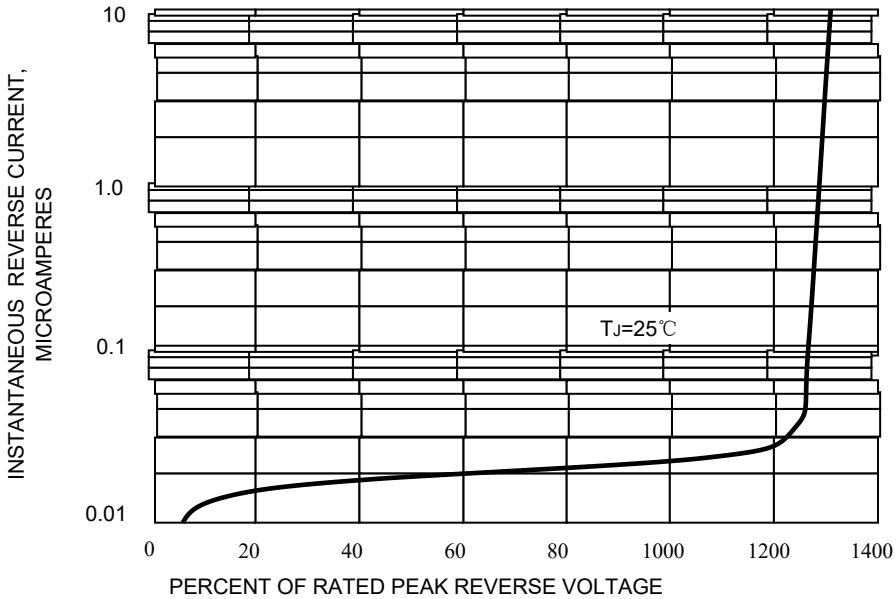
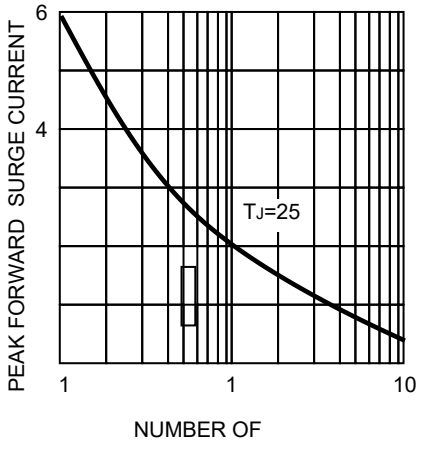


FIG.4-MAXIMUM FORWARD



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