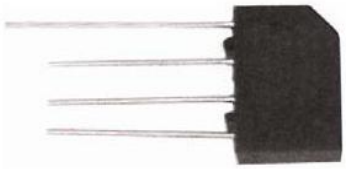
君品电子
Jun Ping Electronic

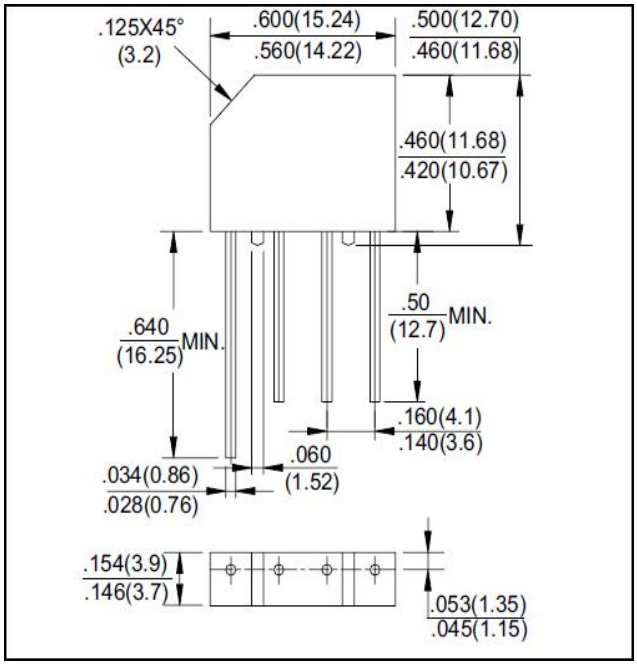
KBP3005 KBP310
TBP3005 thru TBP310

3.0A Single-Phase GLass Passivated Bridge Rectifiers

Recifiter Reverse Voltage 50V to 1000V



KBP



Dimensions in inches and (milimeters)

Features

- ●Glass passivated junction
- ●The plastic material used carries Underwriters Laboratory flammability recognition 94V-0
- ●Suge overload ratings to 80 amperes peak
- ●Ideal for printed circuit board application
- ●High temperature soldering guaranteed 265℃/10

Mechanical Data

Case:Molded plastic
Terminals:Platde leads solderable per MIL-STD-750, Method 2026
Polarity:Polarity symbols molded or Marked on body
Mounting Position:Any
Weight:0.07ounce,1.95 grams(approx)

Maximum Ratings & Thermal Characteristics

Rating at 25℃ ambient temperature unless otherwise specified,Resistive or inductive load,60HZ.
For Capacitive load derate current by 20%

Parameter	Symbol	KBP3005 TBP3005	KBP301 TBP301	KBP302 TBP302	KBP304 TBP304	KBP306 TBP306	KBP308 TBP308	KBP310 TBP310	unit
Maximum repetitive peak reverse voltage	VRRM	50	100	200	400	600	800	1000	V
Maximum RMS bridge input voltage	VRMS	35	70	140	280	420	560	700	V
Maximum DC blocking voltage	VDC	50	100	200	400	600	800	1000	V
Maximum average forward rectified output current at TA=40℃	IF(AV)	3.0							A
Peak forward surge current single sine-wave superimposed on rated load (JEDEC Method)	IFSM	80							A
Operating junction and stroage temperature range	TJ, TSTG	-55to+150							℃

Electrical Characteristics

Rating at 25℃ ambient temperature unless otherwise specified,Resistive or inductive load,60HZ.
For Capacitive load derate current by 20%

Parameter	Symbol	KBP3005 TBP3005	KBP301 TBP301	KBP302 TBP302	KBP304 TBP304	KBP306 TBP306	KBP308 TBP308	KBP310 TBP310	unit
Maximum instantaneous forward voltage drop per leg at 2.0A	VF	1.1							V
Operating temperature range	TJ,	-55to+150							℃
Storage temperature range	TSTG	-55to+150							℃

Rating and Characteristic Curves(TA=25℃ Uniless otherwise noted)

FIG.1-DERATING CURVE FOR

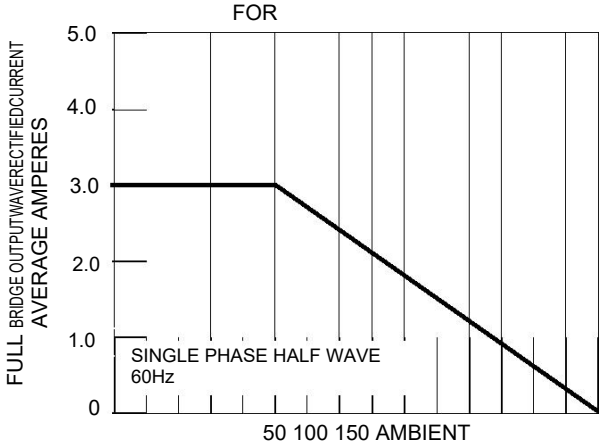


FIG.2-MAXIMUM NON-REPETITIVE SUNRGE CURRENT

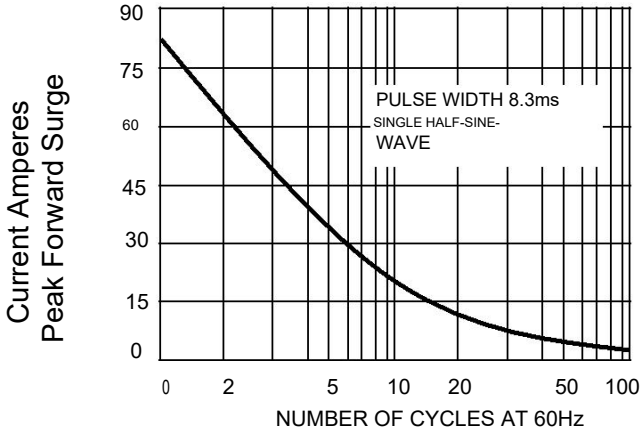


FIG.3-TYPICAL REVERSE CHARACTERISTICS

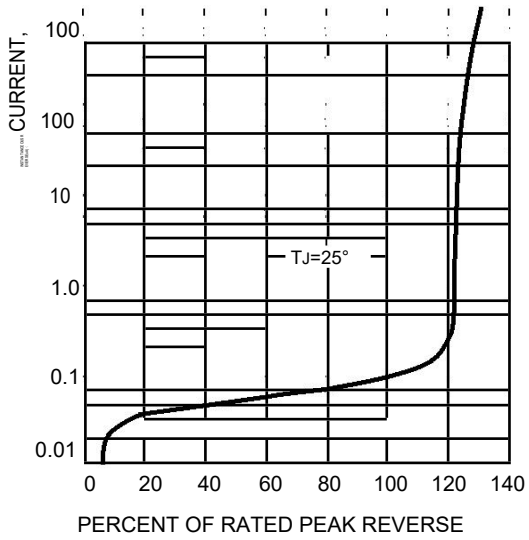


FIG.4-TYPICAL FORWARD CHARACTERISTICS