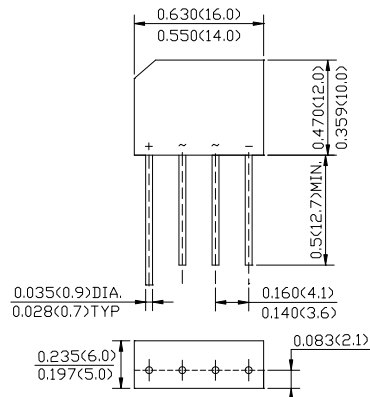


FEATURES

- UL recognized file # E176542
- Surge overload rating-80 amperes peak
- Ideal for printed circuit board
- Plastic material has Underwriters Laboratory Flammability Classification 94V-0
- Mounting position: Any
- Lead: Silver Plated Cooper Lead.

KBP



Dimensions in inches and (millimeters)

Maximum Ratings and Electrical Characteristics

Ratings at 25°C ambient temperature unless otherwise specified. Single phase, half wave, 60HZ, resistive or inductive load. For capacitive load, derate current by 20%.

		KBP3005	KBP301	KBP302	KBP304	KBP306	KBP308	KBP310	Units
Maximum Recurrent Peak Reverse Voltage	V_{RRM}	50	100	200	400	600	800	1000	Volts
Maximum RMS Voltage	V_{RMS}	35	70	140	280	420	560	700	Volts
Maximum DC Blocking Voltage	V_{DC}	60	100	200	400	600	800	1000	Volts
Maximum Average Forward Output Current at @ $T_A=25^\circ C$	I_o	3.0							Amp
Peak Forward Surge Current, 8.3ms single half-sine-wave superimposed on rated load	I_{FSM}	80.0							Amp
Maximum DC Forward Voltage drop per element at 1.0A DC	V_F	1.0							Volts
Maximum Reverse Current at Rated DC Blocking Voltage per Element $T_A=25^\circ C$	I_R	10.0							uAmp
Maximum Reverse Current at Rated 0 DC Blocking Voltage per Element $T_A=100^\circ C$	I_R	1.0							mAmp
I t Rating for fusing (t<8.3ms)	$I^2 t$	10.0							A ² S
Operating Temperature Range	T_j	-55 to +150							°C
Storage Temperature Range	T_{STG}	-55 to +150							°C

NOTE:

1. Mounting conditions, 0.5" lead length maximum.

RATING AND CHARACTERISTICS CURVES

Fig.1 - DERATING CURVE FOR
OUTPUT RECTIFIED CURRENT

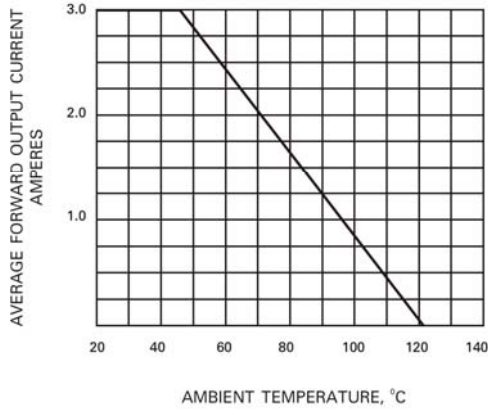


Fig.2 - DERATING CURVE FOR
OUTPUT RECTIFIED CURRENT

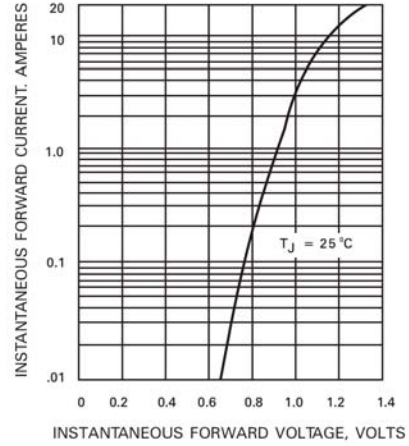


Fig.3 - TYPICAL FORWARD
CHARACTERISTICS

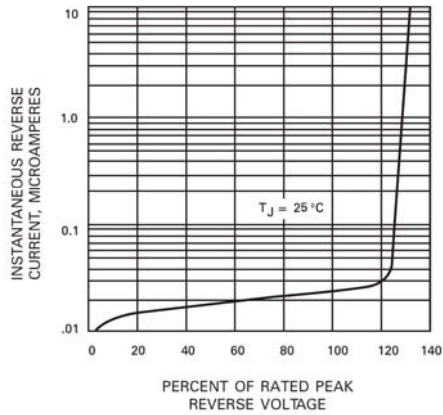


FIG.4 - MAXIMUM FORWARD SURGE CURRENT

