



KBP201G THRU KBP207G

SINGLE PHASE SILICON BRIDGE RECTIFIER

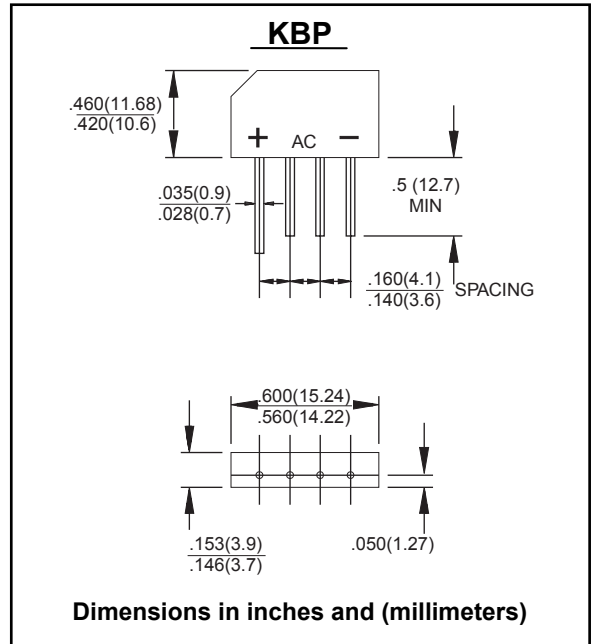
Reverse Voltage - 50 to 1000 Volts Forward Current - 2.0 Ampere

FEATURES

- Ideal for printed circuit board
- Surge overload rating: 60A peak
- High case dielectric strength
- High temperature soldering guaranteed:
260°C/10 seconds at 5lbs. (2.3kg) tension

MECHANICAL DATA

- Case: UL-94 Class V-0 recognized Flame Retardant Epoxy
- Terminals: Plated leads solderable per
MIL-STD 202, method 208
- Mounting Position: Any
- Weight: 1.70 g
- Marking: Type Number



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 current derate by 20%.

CHARACTERISTICS	SYMBOL	KBP201G	KBP202G	KBP203G	KBP204G	KBP205G	KBP206G	KBP207G	UNITS
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 Output Current at T _A = 25°C	I _O				2.0				A
Peak Forward Surge Current 8.3 ms single half sine-wave superimposed on rated load (JEDEC Method)	I _{FSM}				60				A
Maximum DC Forward Voltage Drop per Bridge Element at 2.0A DC	V _F				1.1				V
Maximum Reverse Current at rated DC Blocking Voltage per element	@T _A = 25°C				10.0				μA
	@T _A = 125°C				500				
Operating and Storage Temperature Range	T _J , T _{STG}				-55 to + 150				°C



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RATINGS AND CHARACTERISTIC CURVES

FIG.1-DERATING CURVE
OUTPUT RECTIFIED CURRENT

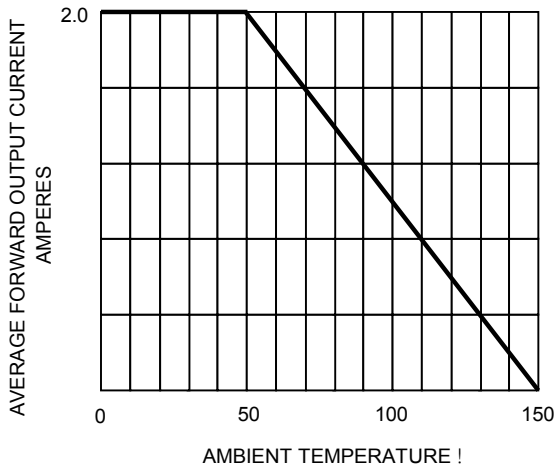


FIG.2-TYPICAL FORWARD
CHARACTERISTICS

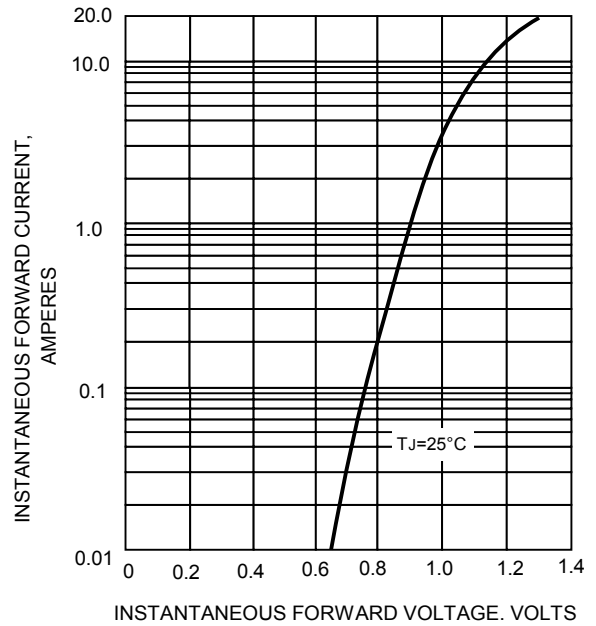


FIG.3-TYPICAL REVERSE CHARACTERISTICS

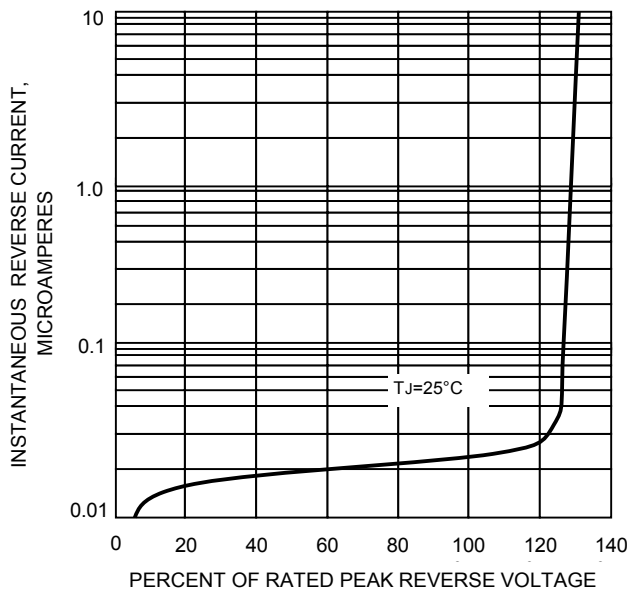


FIG.4-MAXIMUM FORWARD SURGE CURRENT

