Elektronische Bauelemente

KBU10A ~ KBU10M

VOLTAGE 50V ~ 1000V

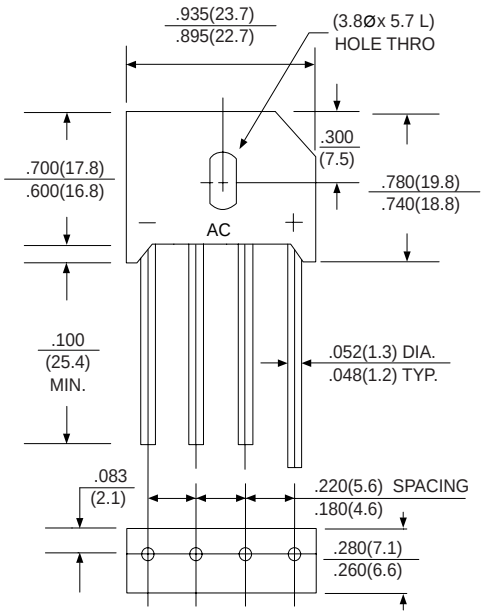
10 AMP Glass Passivated Bridge Rectifiers

RoHS Compliant Product
A suffix of "-C" specifies halogen-free.

FEATURES

- Surge overload rating – 220~400 amperes peak
- Ideal for printed circuit board
- Reliable low cost construction utilizing molded plastic technique
- Plastic material has underwrites laboratory Flammability classification 94V-0
- Mounting position: Any
- Mounting torque: 5 ln. lb. Max.

KBU



Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating 25°C ambient temperature unless otherwise specified.
Resistive or inductive load, 60Hz,
For capacitive load, derate current by 20%.

TYPE NUMBER	SYMBOL	KBU10A	KBU10B	KBU10D	KBU10G	KBU10J	KBU10K	KBU10M	UNITS
Maximum Recurrent Peak Reverse Voltage	V_{RRM}	50	100	200	400	600	800	1000	V
Maximum RMS 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 T_C=100 Rectified Output Current @ T_A=50 /40 /45	$I_{(AV)}$	10 10							A
Peak Forward Surge Current, 8.3 ms single half Sine-wave superimposed on rated load (JEDEC method)	I_{FSM}	220							A
Maximum Forward Voltage Drop Per Bridge Element at 2.0A Peak	V_F	1.05							V
Maximum Reverse Current at Rated DC Blocking Voltage per Element @ T_A=25	I_R	10							μA
Maximum Reverse Current at Rated DC Blocking Voltage per Element @ T_C=100		500							mA
Operating and Storage Temperature Range	T_J, T_{STG}	- 55 ~ + 150							℃

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●RATING AND CHARACTERISTIC CURVES

Fig. 1 - Maximum Forward Surge Current

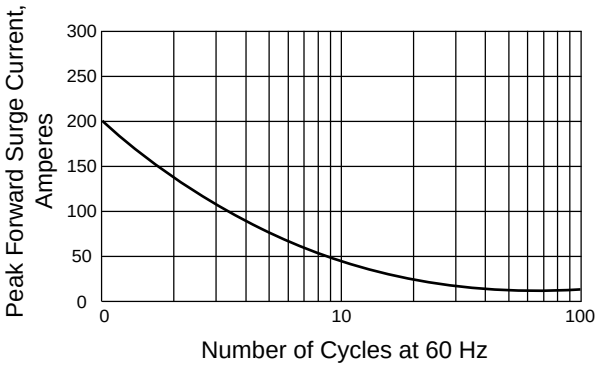

Fig. 2 - Derating Curve
Output Rectified Current

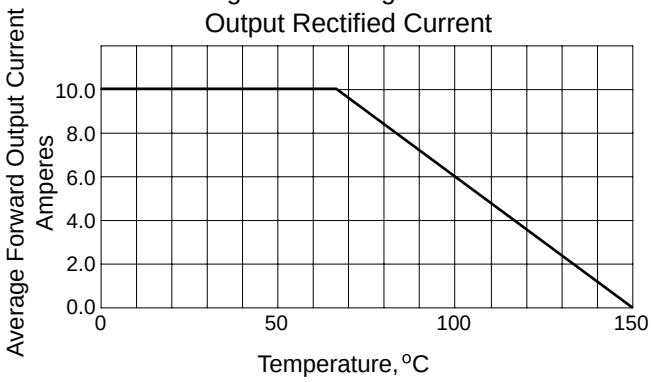

Fig. 3 - Typical Forward Characteristics

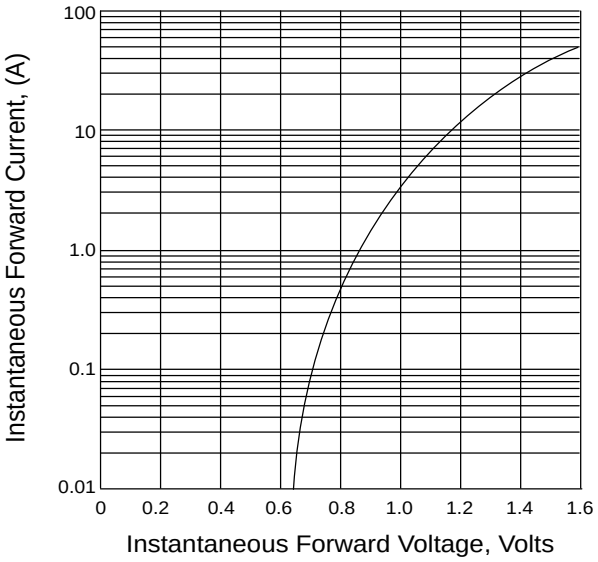

Fig. 4 - Typical Reverse Charactistics