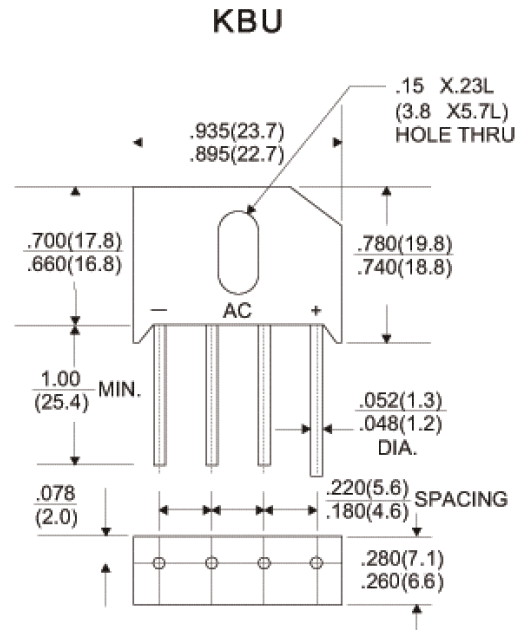


FEATURES

- Ideal for printed circuit board
- Reliable low cost construction utilizing molded plastic technique
- Plastic material has underwriters laboratory Flammability Classification 94V-0
- Surge overload rating:200 amperes peak
- Mounting position: Any
- Mounting Torque: 5 In. lb. max



Dimensions in inches and (millimeters)

Maximum Ratings and Electrical Characteristics

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

	Symbols	PBU/KBU 10005	PBU/KBU 1001	PBU/KBU 1002	PBU/KBU 1004	PBU/KBU 1005	PBU/KBU 1006	PBU/KBU 1007	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 Rectified Current @ $T_A=100^\circ\text{C}$ @ $T_C=65^\circ\text{C}$	$I_{(AV)}$	10							Amp
Peak Forward Surge Current, 8.3ms single half-sine-wave superimposed on rated load	I_{FSM}	240							Amp
Maximum Instantaneous Forward Voltage Drop Per Element at 5.0A	V_F	1.1							Volts
Maximum DC Reverse Current at rated @ $T_A=25^\circ\text{C}$ DC Blocking Voltage Per Element @ $T_A=100^\circ\text{C}$	I_R	10 100							μ Amp
Operating Temperature Range	T_J	-65 to +150							$^\circ\text{C}$
Storage Temperature Range	T_{STG}	-65 to +150							$^\circ\text{C}$

Notes:

1. Thermal Resistance Junction to Case per diode.

RATINGS AND CHARACTERISTIC CURVES (PBU10 SERIES)

Fig.1 - DERATING CURVE
OUTPUT RECTIFIED CURRENT

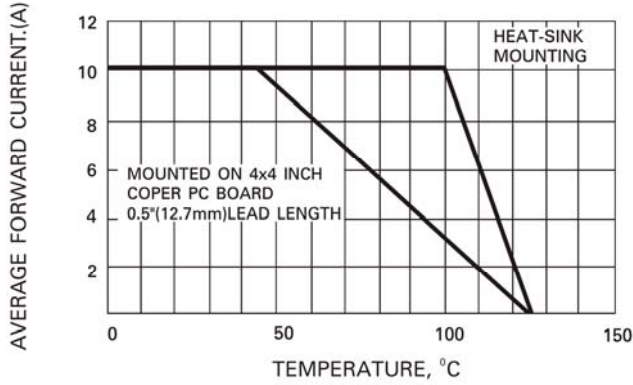


Fig.2 - TYPICAL INSTANTANEOUS FORWARD
CHARACTERISTICS

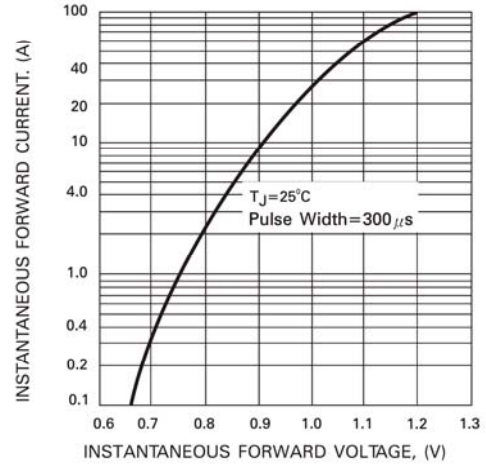


FIG. 3 TYPICAL REVERSE
CHARACTERISTICS

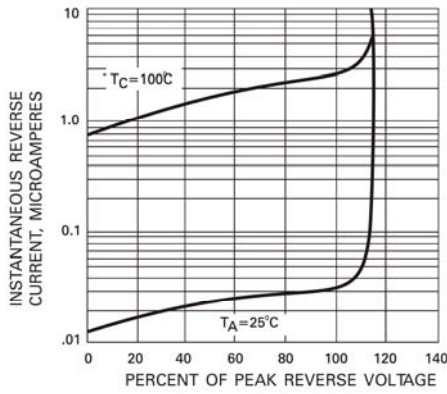


Fig.4 - MAXIMUM NON-REPETITIVE PEAK
FORWARD SURGE CURRENT

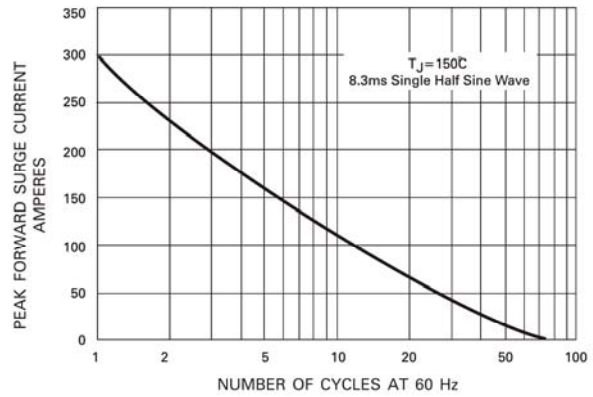


Fig.5 - TYPICAL JUNCTION CAPACITANCE
PER ELEMENT

