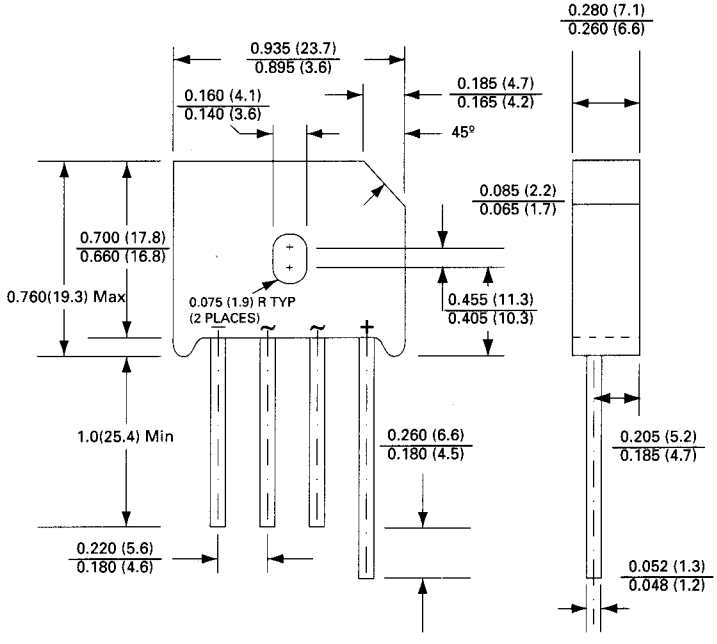
KBU4A ...KBU4M; KBU6A ...KBU6M; KBU8A ...KBU8M
4.0A/6.0A/8.0A SINGLE - PHASE SILICON BRIDGE

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 Torgue: 5 In. lb. max
- U/L recognized file # 142814

VOLTAGE RANGE
50 to 1000 Volts
CURRENT
4.0/6.0/8.0 Amperes



Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

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

	KBU4A KBU6A KBU8A	KBU4B KBU6B KBU8B	KBU4D KBU6D KBU8D	KBU4G KBU6G KBU8G	KBU4J KBU6J KBU8J	KBU4K KBU6K KBU8K	KBU4M KBU6M KBU8M	UNITS
Maximum Recurrent Peak Reverse Voltage	50	100	200	400	600	800	1000	V
Max RMS Bridge Input Voltage	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	50	100	200	400	600	800	1000	V
Maximum Average Forward T_C = 100 °C	KBU4	40	KBU6	60	KBU8		80	A
Rectified Output Current at T_A = 50 °C/40 °C/45 °C		40		60			60	A
Peak Forward Surge Current, 8.3 ms single half sine-wave superimposed on rated load (JEDEC medthod)		200		250			300	A
Maximum Instantanous Forward Voltage Drop per element at 3.0A/3.0A/8.0A		1.0		1.0			1.0	V
Maximum Reverse Leakage at rated T_A = 25 °C		10		10			10	μA
DC Block Voltage per element T_C = 100 °C		100		200			300	mA
Operating and storage temperature Range, T_J,T_{STG}	-65 to + 150							°C

KBU4A ...KBU4M; KBU6A ...KBU6M; KBU8A ...KBU8M
4.0A/6.0A/8.0A SINGLE - PHASE SILICON BRIDGE

RATING AND CHARACTERISTICS CURVES

KBU4/6/8 SERIES

FIG. 1-DERATING CURVE FOR OUTPUT RECTIFIED CURRENT

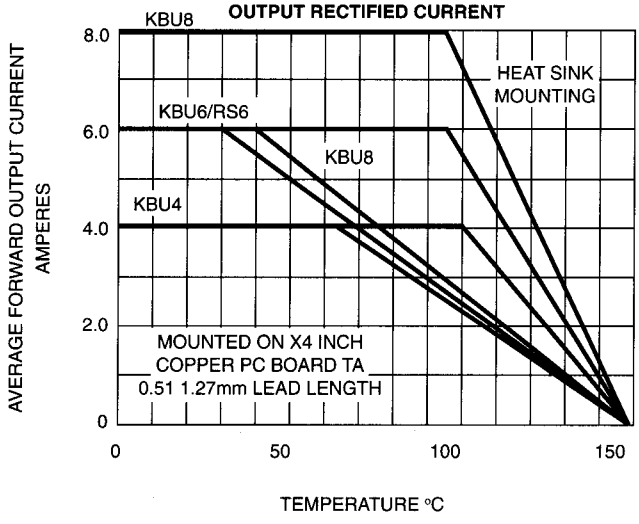


FIG. 2-TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

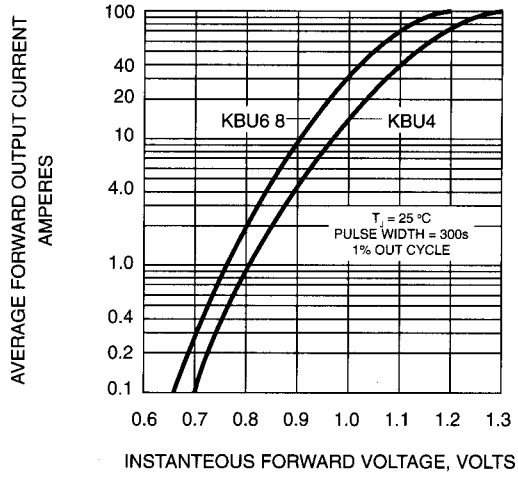


FIG. 3-MAXIMUN NON RETETITIVE PEAK FORWARD SURGE CURRENT

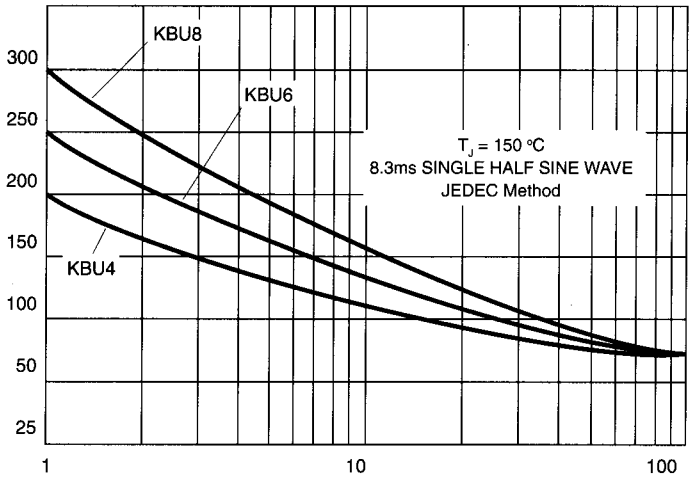
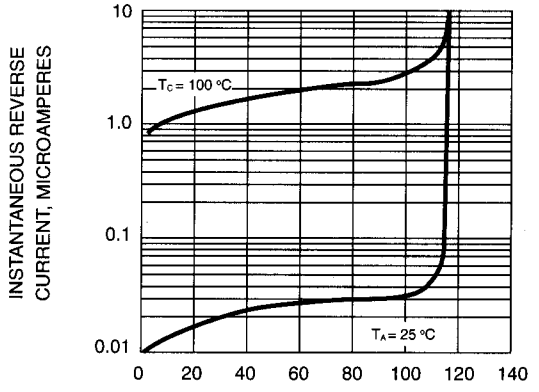


FIG. 4-TYPICAL REVERSE CHARACTERISTICS



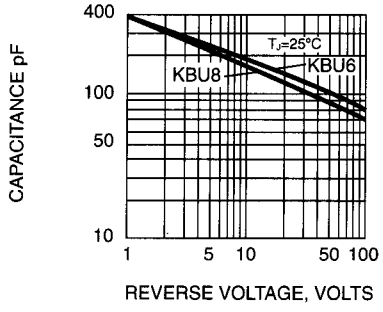


FIG. 5-TYPICAL JUNCTION CAPACITANCE PER ELEMENT