



KBU401 THRU KBU407

SINGLE PHASE 4.0 AMPS SILICON BRIDGE RECTIFIERS

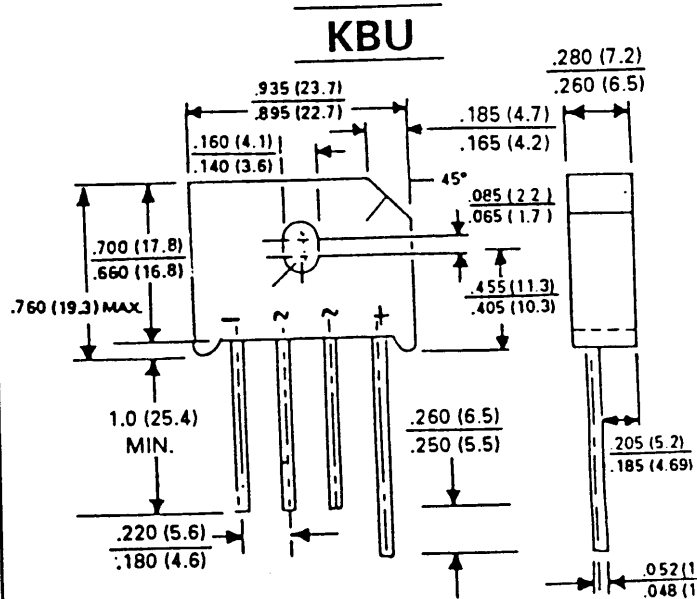


740-159
740-160
740-172

VOLTAGE RANGE
50 to 1000 Volts
CURRENT
4.0 Amperes

FEATURES

- * UL Recognized File # E-96005
- * High Surge Current Capability
- * Ideal for printed circuit board
- * Reliable low cost construction technique results in inexpensive product
- * Mounting position: Any
- * Weight: 1.07 grams



All dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

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

TYPE NUMBER	KBU401	KBU402	KBU403	KBU404	KBU405	KBU406	KBU407	UN
Maximum Recurrent Peak Reverse Voltage	50	100	200	400	600	800	1000	\
Maximum RMS Bridge Input Voltage	35	70	140	280	420	560	700	\
Maximum DC Blocking Voltage	50	100	200	400	600	800	1000	\
Maximum Average Forward Rectified Current @ $T_A=65^\circ\text{C}$					4.0			
Peak Forward Surge Current, 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)					200			
Maximum Forward Voltage Drop per element @ 2A					1.1			
Maximum Reverse Current at Rated @ $T_A=25^\circ\text{C}$ D.C. Blocking Voltage per element @ $T_A=100^\circ\text{C}$					10 500			
Operating Temperature Range T_j					-55 to +125			
Storage Temperature Range T_{stg}					-55 to +150			

NOTES: * Special Silicon Bridge Rectifier are also Available.

RATINGS AND CHARACTERISTIC CURVES (KBU401 THRU KBU407)

FIG.1 - MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

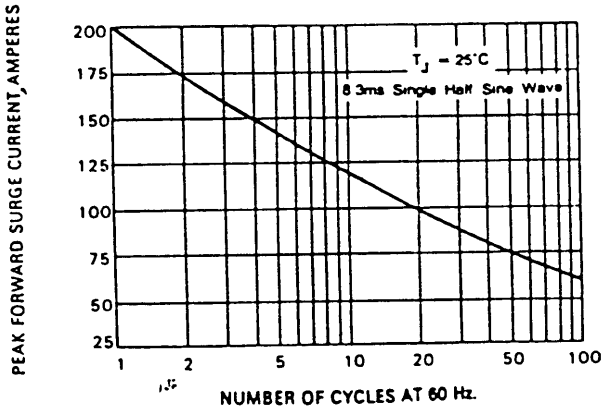


FIG.2 - TYPICAL FORWARD CURRENT DERATING CURVE

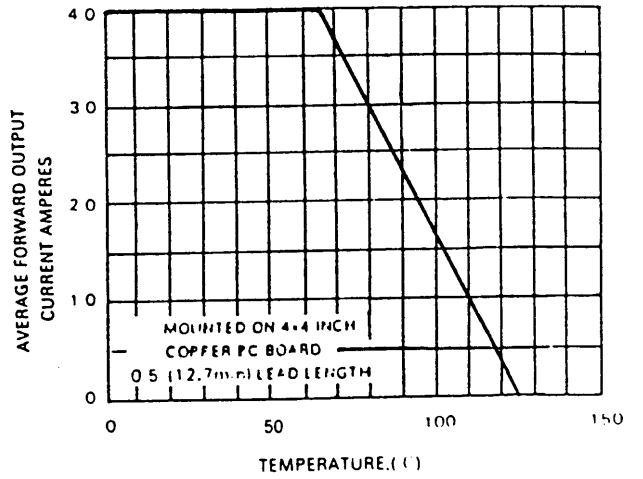


FIG.3 - TYPICAL INSTANTANEOUS FORWARD PER BRIDGE ELEMENT

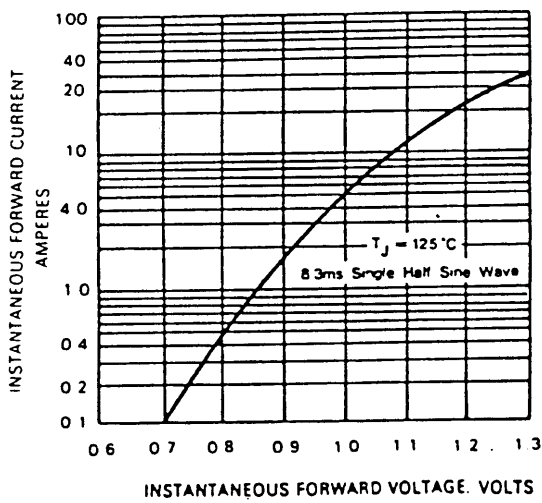


FIG.4 - TYPICAL REVERSE CHARACTERISTICS

