

572-858/860/871/883



KBU601G THRU KBU607G

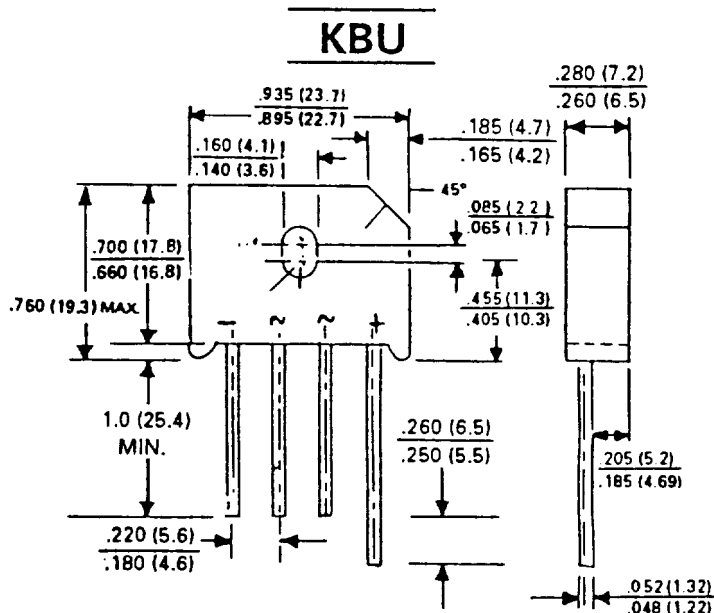
SINGLE PHASE 6.0 AMPS. GLASS PASSIVATED BRIDGE RECTIFIERS



FEATURES

- * Ideal for printed circuit board
- * Reliable low cost construction
- * Plastic material has Underwriters Laboratory flammability classification 94V-0
- * Surge overload rating to 200 Amperes peak.
- * Mounting position: Any
- * Weight: 0.3 ounce, 8.0 grams
- * Mounting Torque: 5 in. lb. max.

VOLTAGE RANGE
50 to 1000 Volts
CURRENT
6.0 Amperes



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	KBU 601G	KBU 602G	KBU 603G	KBU 604G	KBU 605G	KBU 606G	KBU 607G	UNITS
Maximum Recurrent Peak Reverse Voltage	50	100	200	400	600	800	1000	V
Maximum 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 Rectified Current @ T _A =65°C	4.0							A
Peak Forward Surge Current, 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)	200							A
Maximum Forward Voltage Drop per element @ 3.0A	1.1							V
Maximum Reverse Current at Rated @ T _A =25°C D.C. Blocking Voltage per element @ T _C =100°C	10 500							μA μA
Operating Temperature Range T _j	-55 to +150							°C
Storage Temperature Range T _{STG}	-55 to +150							°C

NOTES: Special Silicon Bridge Rectifier are also Available.

RATINGS AND CHARACTERISTIC CURVES (KBU601G THRU KBU607G)

FIG.1- MAXIMUM FORWARD SURGE CURRENT

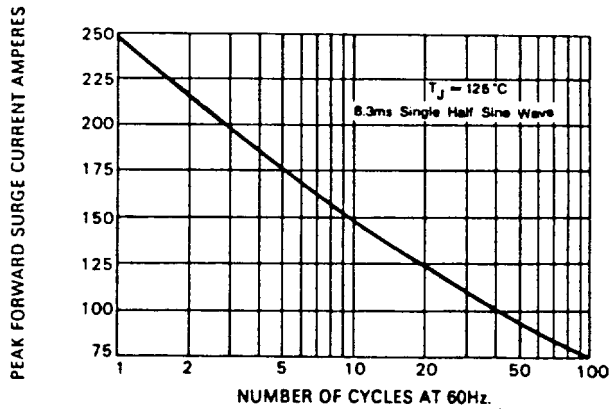


FIG.2 TYPICAL FORWARD CURRENT DERATING CURVE

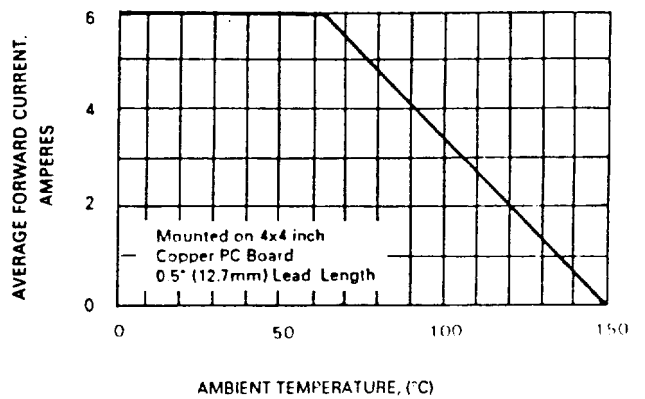


FIG.3-TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

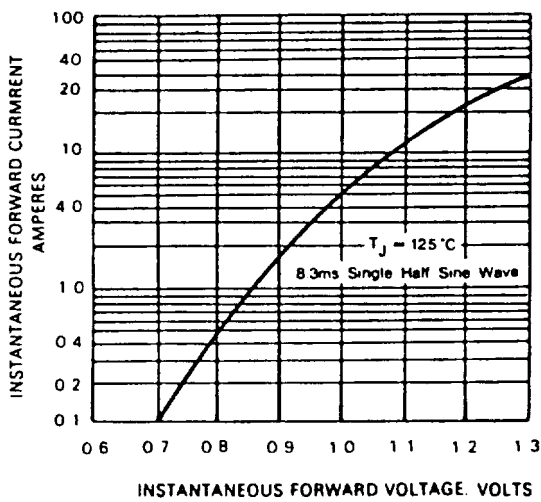


FIG.4-TYPICAL REVERSE CHARACTERISTICS

