572 - 810 TO 846

TSC

KBU401G THRU KBU407G

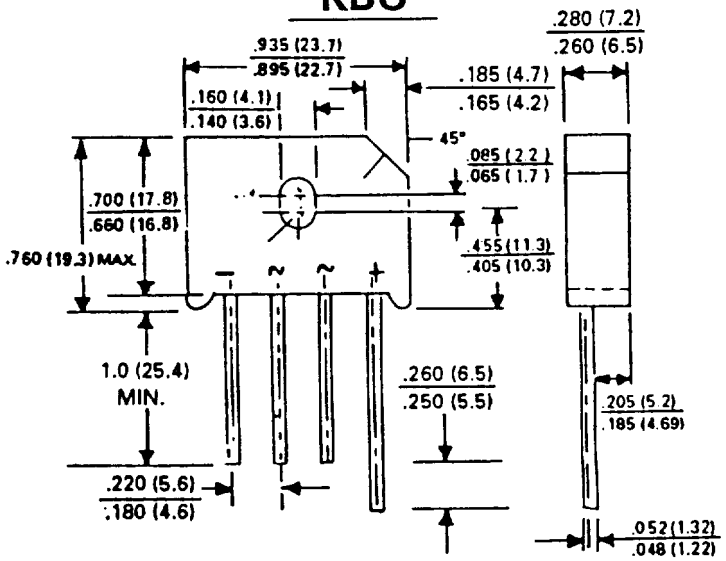
SINGLE PHASE 4.0 AMPS. GLASS PASSIVATED BRIDGE RECTIFIERS

VOLTAGE RANGE
50 to 1000 Volts
CURRENT
4.0 Amperes

FEATURES

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

KBU



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 401G	KBU 402G	KBU 403G	KBU 404G	KBU 405G	KBU 406G	KBU 407G	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=50°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 @ 2.0A	1.1							V
Maximum Reverse Current at Rated @ T_A=25°C D.C. Blocking Voltage per element @ T_A=125°C	10 500							µA µA
Operating Temperature Range Tj	-55 to +150							°C
Storage Temperature Range T_{STG}	-55 to +150							°C

NOTES: Special Silicon Bridge Rectifier are also Available.

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RATINGS AND CHARACTERISTIC CURVES (KBU401G THRU KBU407G))

FIG.1- MAXIMUM FORWARD SURGE CURRENT

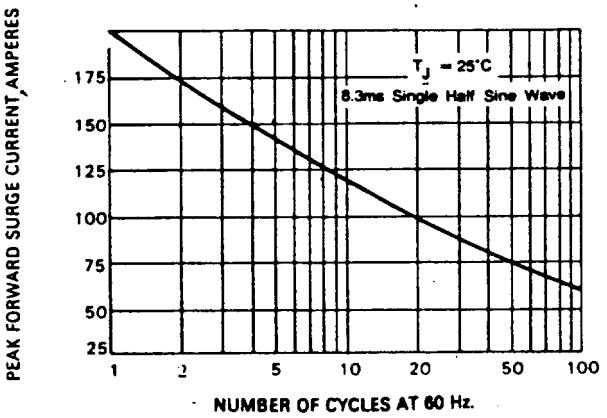

FIG.2-TYPICAL FORWARD CURRENT DERATING CURVE

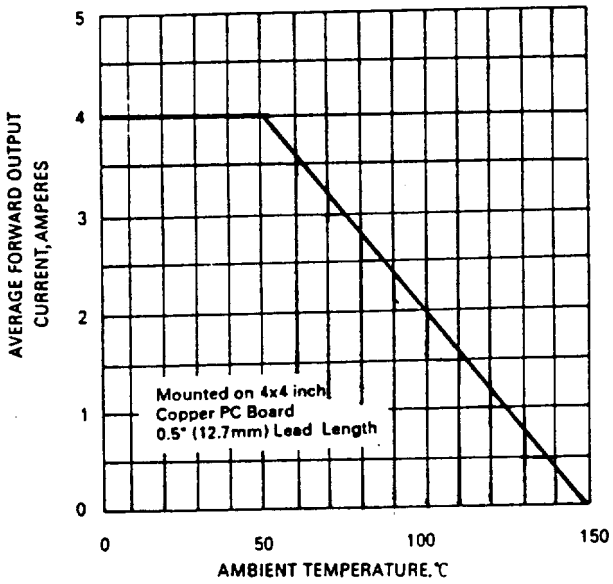

FIG.3-TYPICAL INSTANTANEOUS FORWARD PER BRIDGE ELEMENT

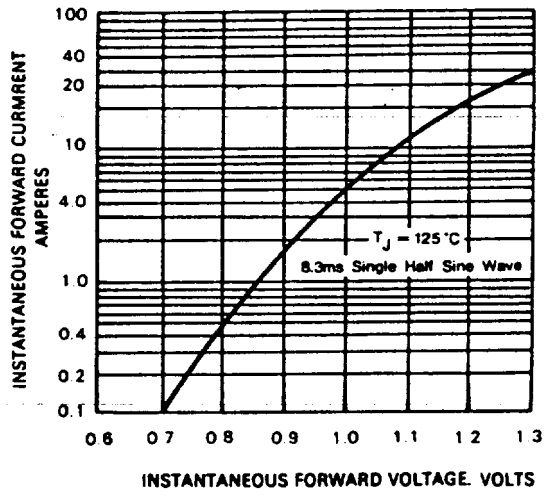

FIG.4-TYPICAL REVERSE CHARACTERISTICS