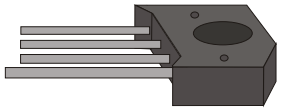
KBU6A THRU KBU6M

SINGLE PHASE 6.0 AMP BRIDGE RECTIFIERS



VOLTAGE RANGE

50 to 1000 Volts

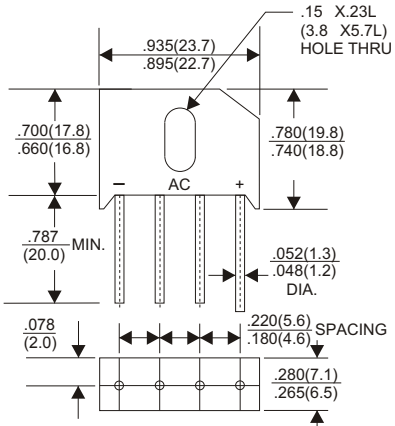
CURRENT

6.0 Ampere

FEATURES

* Ideal for printed circuit board
* Low forward voltage
* Low leakage current
* Polarity: marked on body
* Mounting position: Any
* Lead Free Finish/RoHS Compliant

KBU



Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating 25℃ ambient temperature uniess otherwies specified.
Single phase half wave, 60Hz, resistive or inductive load.
For capacitive load, derate current by 20%.

TYPE NUMBER	KBU6A	KBU6B	KBU6D	KBU6G	KBU6J	KBU6K	KBU6M	UNITS
Maximum Recurrent Peak Reverse Voltage	50	100	200	400	600	800	1000	V
Maximum RMS 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 .375"(9.5mm) Lead Length at Tc=50℃	6.0							A
Peak Forward Surge Current, 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)	150							A
Maximum Forward Voltage Drop per Bridge Element at 3.0A D.C.	1.1							V
Maximum DC Reverse Current Ta=25℃	10							uA
at Rated DC Blocking Voltage Ta=100℃	200							uA
Operating Temperature Range, Tj	-65 — +125							℃
Storage Temperature Range, TSTG	-65 — +150							℃

RATING AND CHARACTERISTIC CURVES (KBU6A THRU KBU6M)

FIG.1-TYPICAL FORWARD CURRENT DERATING CURVE

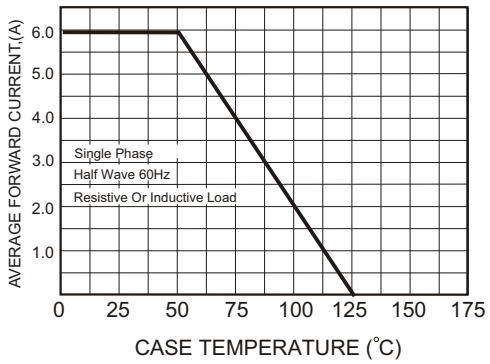


FIG.2-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

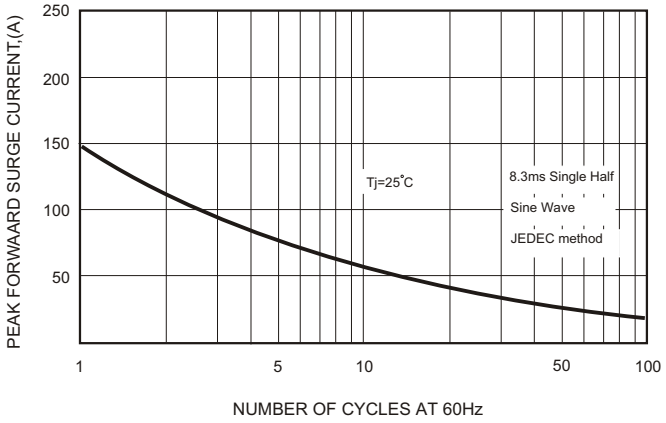


FIG.3-TYPICAL FORWARD CHARACTERISTICS

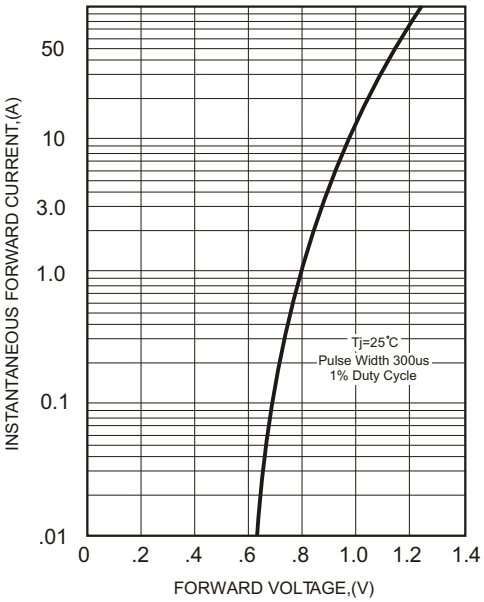


FIG.4-TYPICAL REVERSE CHARACTERISTICS