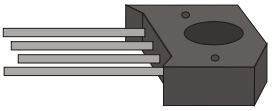
KBU801 THRU KBU807

SINGLE PHASE 8.0 AMP BRIDGE RECTIFIERS



FEATURES

* Ideal for printed circuit board
* Low forward voltage
* Low leakage current
* Polarity: marked on body
* Mounting position: Any

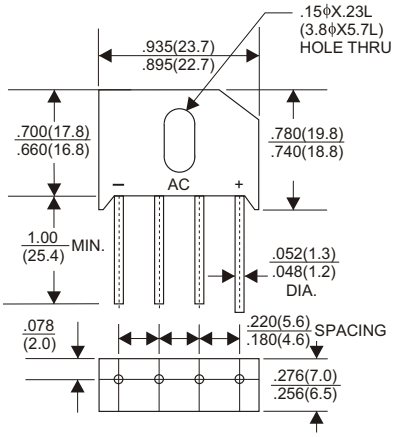
VOLTAGE RANGE

50 to 1000 Volts

CURRENT

8.0 Amperes

KBU



Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

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

TYPE NUMBER	KBU801	KBU802	KBU803	KBU804	KBU805	KBU806	KBU807	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 at Tc=100°C	8.0							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 Bridge Element at 4.0A D.C.	1.0							V
Maximum DC Reverse Current Ta=25°C	10							μA
at Rated DC Blocking Voltage Ta=100°C	200							μA
Operating Temperature Range, T_J	-65 — +150							°C
Storage Temperature Range, T_{STG}	-65 — +150							°C

RATING AND CHARACTERISTIC CURVES (KBU801 THRU KBU807)

FIG.1-TYPICAL FORWARD CURRENT DERATING CURVE

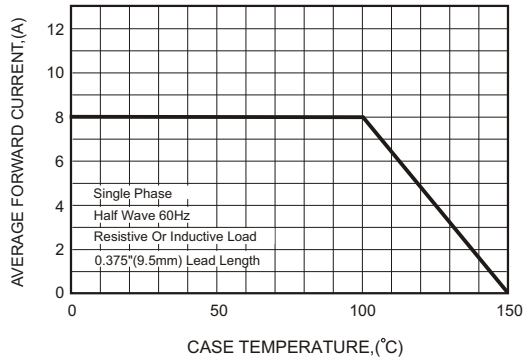


FIG.2-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

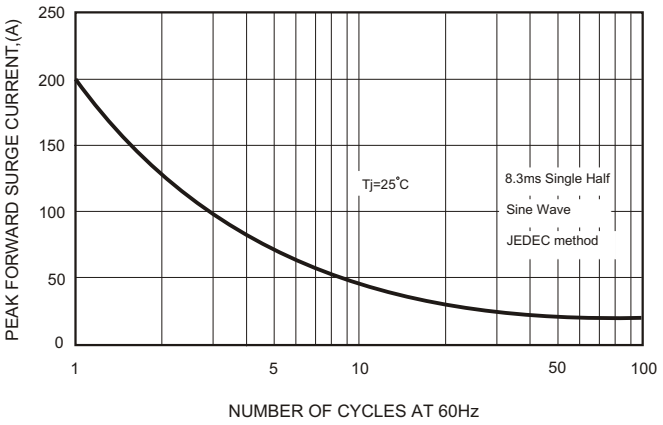


FIG.3-TYPICAL FORWARD CHARACTERISTICS

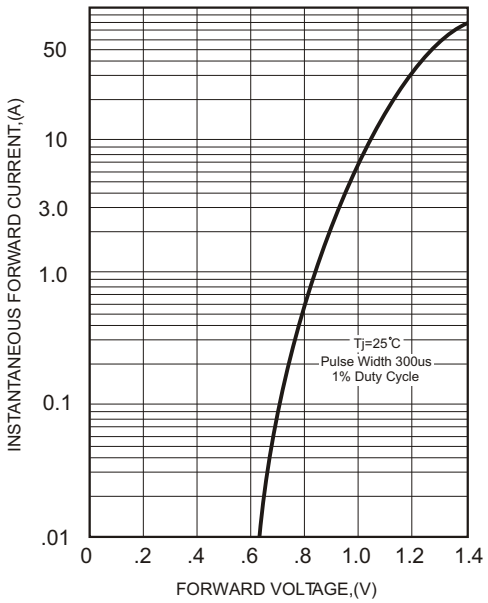


FIG.4-TYPICAL REVERSE CHARACTERISTICS

