



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 15 Amperes Dimensions in inches and (millimeters)
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MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS								
Rating 25°C ambient temperature unless otherwise specified. Single phase half wave, 60Hz, resistive or inductive load. For capacitive load, derate current by 20%.								
TYPE NUMBER	KBU15005	KBU1501	KBU1502	KBU1504	KBU1506	KBU1508	KBU1510	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	15							A
.375" (9.5mm) Lead Length at Ta=55°C Peak Forward Surge Current, 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)	240							A
Maximum Forward Voltage Drop per Bridge Element at 7.5A D.C.	1.05							V
Maximum DC Reverse Current Ta=25°C	10							μA
at Rated DC Blocking Voltage Ta=100°C	500							μA
Operating Temperature Range, Tj	-65 — +150							°C
Storage Temperature Range, Tstg	-65 — +150							°C

RATING AND CHARACTERISTIC CURVES (KBU15005 THRU KBU1510)

FIG.1-TYPICAL FORWARD CURRENT
DERATING CURVE

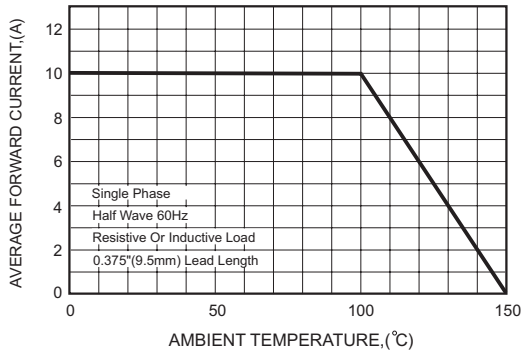


FIG.2-MAXIMUM NON-REPETITIVE FORWARD
SURGE CURRENT

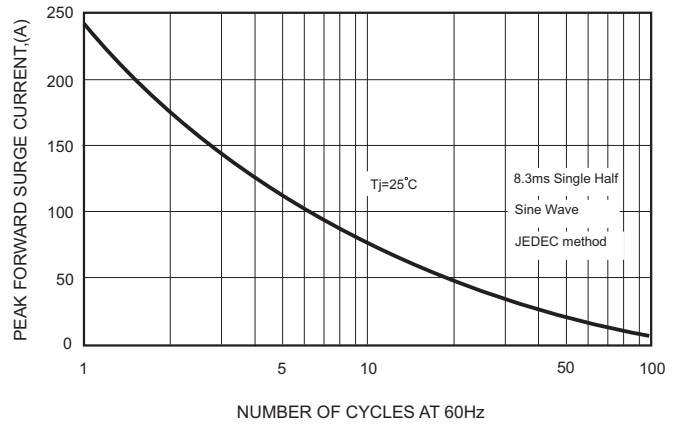


FIG.3-TYPICAL FORWARD
CHARACTERISTICS

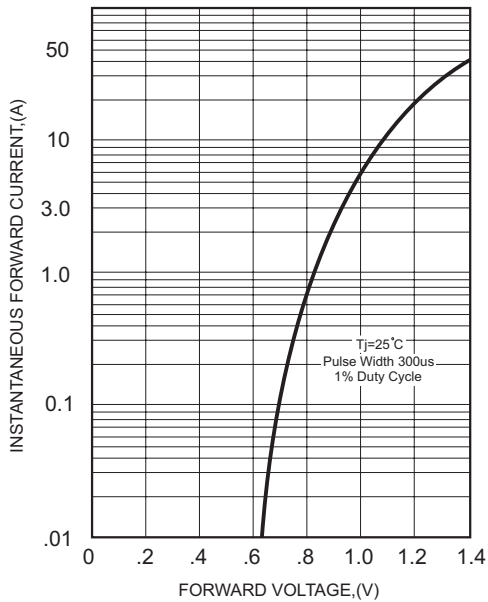


FIG.4-TYPICAL REVERSE
CHARACTERISTICS

