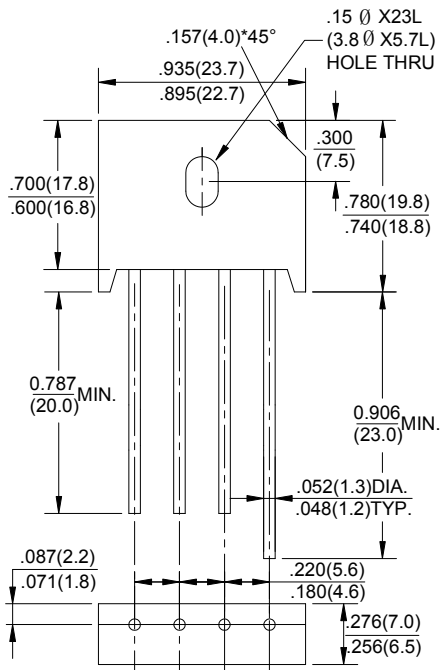


KBU4A/6A/8A SERIES

GLASS PASSIVATED BRIDGE RECTIFIERS

REVERSE VOLTAGE - 50 to 1000Volts

FORWARD CURRENT - 4 / 6 / 8 Amperes



Dimensions in inches and (millimeters)

Package: KBU

FEATURES

- Surge overload rating -125~175 amperes peak
- Ideal for printed circuit board
- Reliable low cost construction utilizing molded plastic technique
- Plastic material has UL
- Mounting position:Any
- Mounting torque:5 In.lb.Max
- Weight: 0.25ounces ,7.0grams

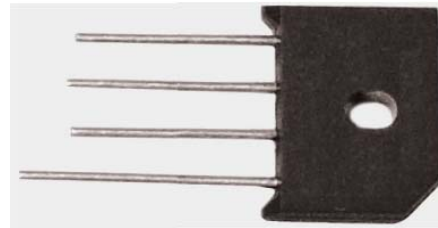
MAXIMUM RATINGS

AND ELECTRICAL CHARACTERISTICS

Rating at 25°C ambient temperature unless otherwise specified.

Single phase, half wave ,60Hz, resistive or inductive load.

For capacitive load, derate current by 20%



CHARACTERISTICS	KBU400	KBU401	KBU402	KBU404	KBU406	KBU408	KBU410	UNIT
	KBU600	KBU601	KBU602	KBU604	KBU606	KBU608	KBU610	
	KBU800	KBU801	KBU802	KBU804	KBU806	KBU808	KBU810	
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 Tc=100℃ Rectified Output Current at Ta=50℃/40℃/45℃	KBU4	4.0	KBU6	6.0		KBU8	8.0	A
		4.0		6.0			6.0	A
Peak Forward Surge Current 8.3ms single Half Sine-Wave Super Imposed on Rated Load (JEDEC Method)		125		150			175	A
Maximum Instantaneous Forward Voltage Drop per Element at4.0A/3.0A/4.0A		1.1		1.1			1.1	V
Maximum Reverse Leakage at rated Ta=25℃ DC Blocking Voltage Per Element Ta=100℃		10		10			10	μA
		1000		1000		1000	mA	
Operating and Storage Temperature Range Tj.Tstg	-55 to +150							℃



GAIA TECH

KBU4A/6A/8A SERIES

GLASS PASSIVATED BRIDGE RECTIFIERS RATING AND CHARACTERISTIC CURVES

FIG.1-DERATING CURVE FOR
OUTPUT RECTIFIED CURRENT

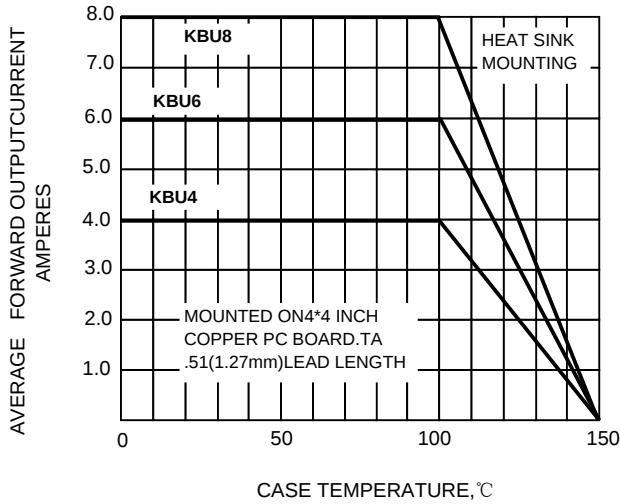


FIG.2 TYPICAL INSTANTANEOUS FORWARD
CHARACTERISTIC

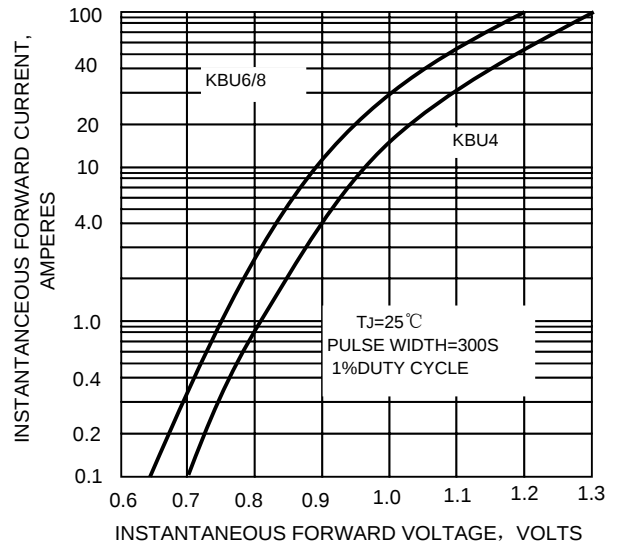


FIG.3-MAXIMUM NON-REPETITIVE PEAK
FORWARD SURGE CURRENT

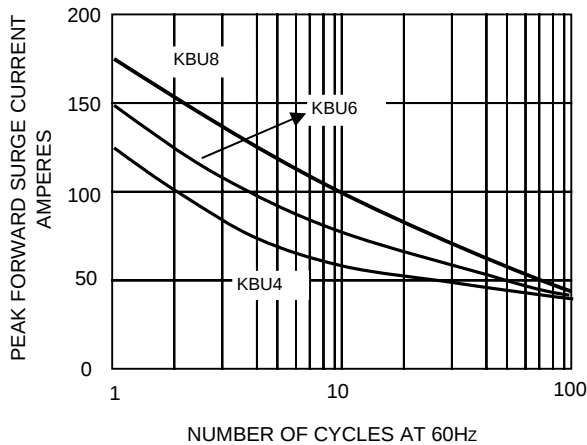


FIG.4-TYPICAL REVERSE
CHARACTERISTICS

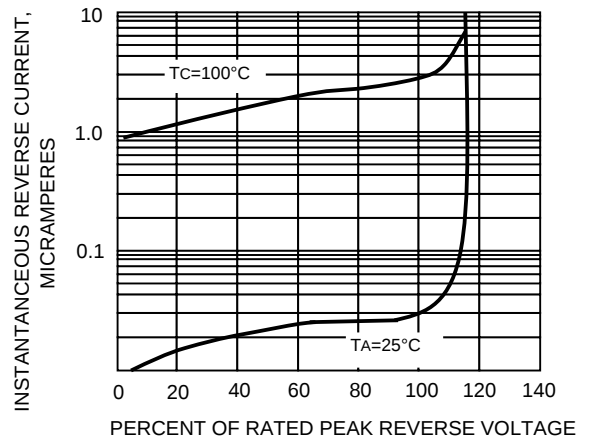


FIG.5-TYPICAL JUNCTION CAPACITANCE PER ELEMENT

