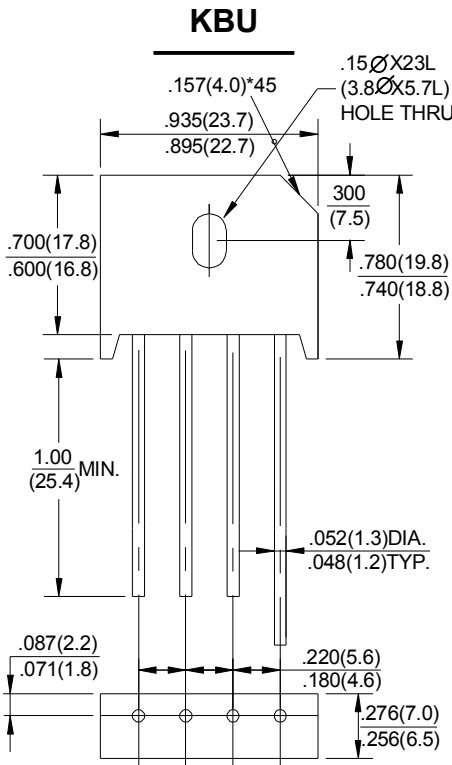


REVERSE VOLTAGE - 50 to 1000Volts
FORWARD CURRENT - 25.0 Amperes

FEATURES

- Surge overload rating -400 amperes peak
- Ideal for printed circuit board
- Reliable low cost construction utilizing molded plastic technique
- Plastic material has U/L flammability classification 94V-0
- Mounting postition:Any



Dimensions in inches and (milimeters)

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	SYMBOL	KBU 25005	KBU 2501	KBU 2502	KBU 2504	KBU 2506	KBU 2508	KBU 2510	UNIT
Maximum Recurrent Peak Reverse Voltage	VRRM	50	100	200	400	600	800	1000	v
Maximum RMS Voltage	VRMS	35	70	140	280	420	560	700	v
Maximum DC Blocking Voltage	Vbc	50	100	200	400	600	800	1000	v
Maximum Average Forward (with heatsink Note 1) Rectified Current @ Tc=100°C (without heatsink)	I(AV)	25.0 3.6							A
Peak Forward Surge Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load (JEDEC Method)	IFSM	400							A
Maximum Forward Voltage at 12.5A DC	VF	1.1							V
Maximum DC Reverse Current @ TJ=25°C at Rated DC Blocking Voltage @ TJ=125°C	IR	10 500							µA
Operating Temperature Range	TJ	-55 to+125							°C
Storage Temperature Range	TSTG	-55 to+150							°C

NOTES: 1.Device mounted on 100mm*100mm*1.6mm Cu plate heatsink.

RATINGS AND CHARACTERISTIC CURVES KBU25005 thru KBU2510

FIG.1-MAXIMUM FORWARD SURGE CURRENT

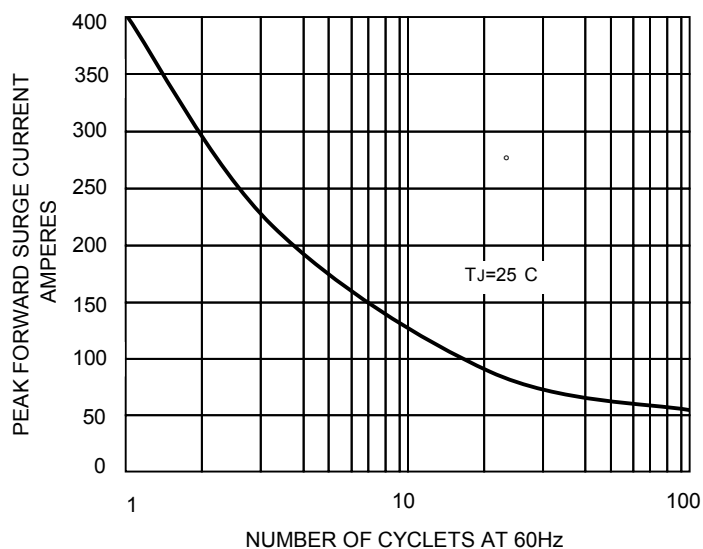


FIG. 2 – DERATING CURVE OUTPUT RECTIFIED CURRENT

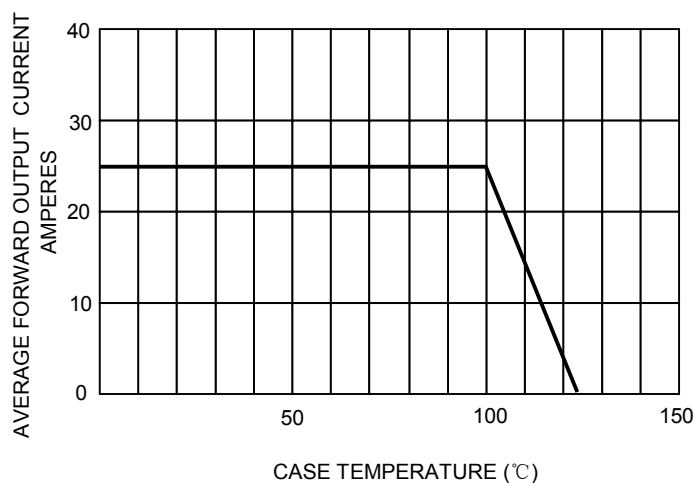


FIG.3– TYPICAL FORWARD CHARACTERISTICS

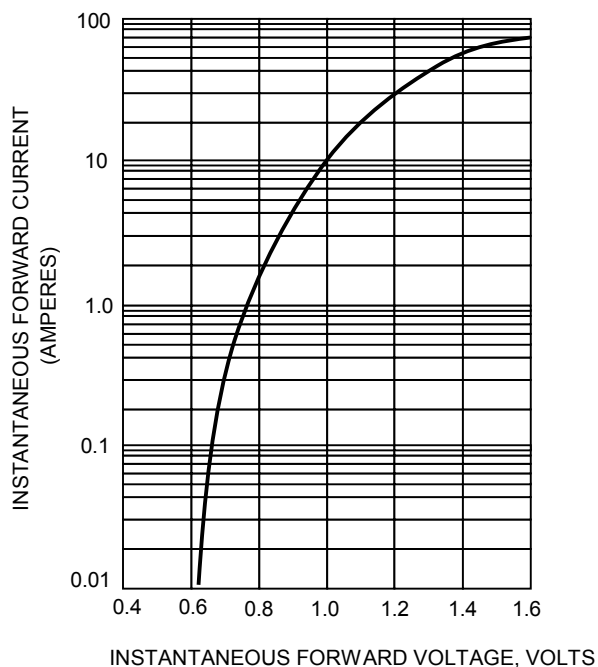


FIG.4– TYPICAL REVERSE CHARACTERISTICS

