

## MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

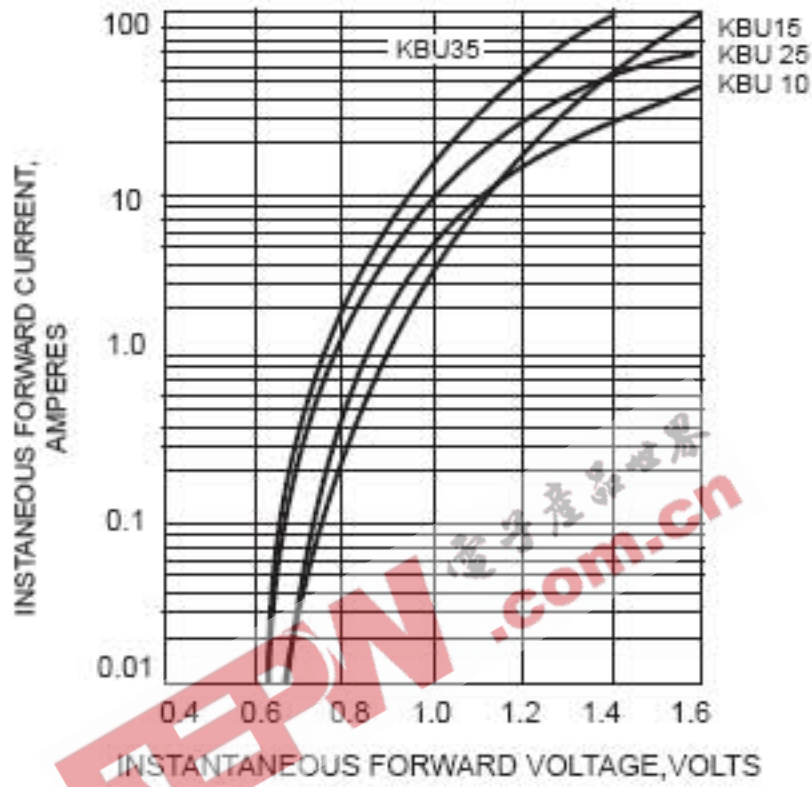
Rating at 25°C ambient temperature unless otherwise specified.  
 Single phase, half wave, 50Hz, resistive or inductive load.  
 For capacitive load, derate current by 20%

Type Number		KBU	KBU	KE
		10005	1001	10
		15005	1501	15
		25005	2501	25
		35005	3501	35
Maximum Repetitive Peak Reverse Voltage	V <sub>RRM</sub>	50	100	200
Maximum RMS Voltage	V <sub>RMS</sub>	35	70	140
Maximum DC Blocking Voltage	V <sub>DC</sub>	50	100	200
Maximum Average Forward (with heatsink Note 2) Rectified Current@T <sub>c</sub> = 100°C(without heatsink)	I <sub>F(AV)</sub>			
Peak Forward Surge Current 8.3ms single half sine-wave super imposed on rated load (JEDEC Method)	I <sub>FSM</sub>	10A 15A 25A 35A		
Maximum Instantaneous Forward Voltage Drop Per Leg@5.0A/7.5A/12.5A/17.5A	V <sub>F</sub>			
Maximum DC Reverse Current at Rated DC Blocking Voltage	I <sub>R</sub>	T <sub>J</sub> = 25°C T <sub>J</sub> = 125°C		
I <sup>2</sup> t Rating for fusing (t<8.3ms)	I <sup>2</sup> t			
Typical Junction Capacitance per element (Note 1)	C <sub>J</sub>			
Typical Thermal Resistance (Note 2)	R <sub>JC</sub>			
Operating Temperature Range	T <sub>J</sub>			
Storage Temperature Range	T <sub>STG</sub>			

NOTES: 1. Measured at 1.0MHz and applied reverse voltage of 4.0V DC.  
 2. Device mounted on 300mm x 300mm x 1.6mm Cu Plate Heatsink.

NUMBER OF CYCLES AT 60Hz

FIG.3 - TYPICAL FORWARD CHARACTERISTICS



INSTANTANEOUS REVERSE CURRENT, MICROAMPERES

