

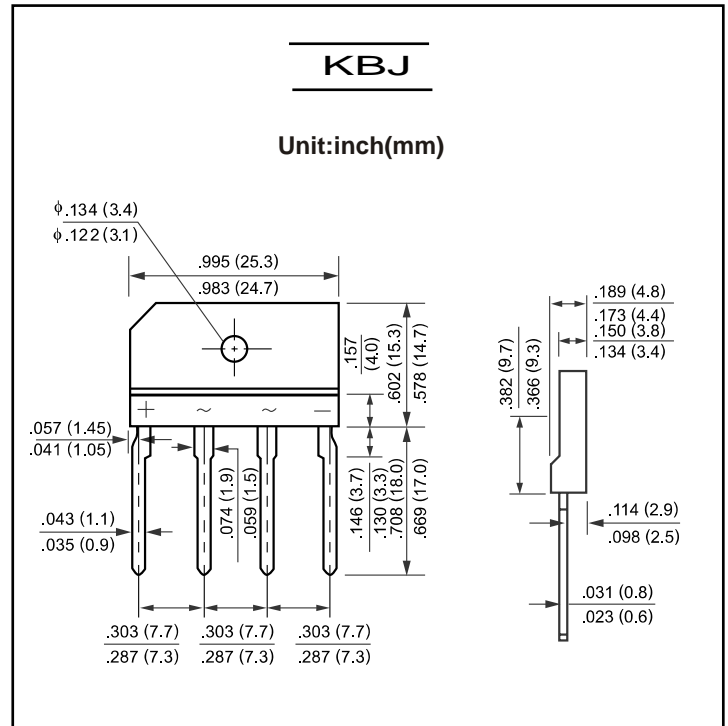
GLASS PASSIVATED BRIDGE RECTIFIERS

FEATURES

- Rating to 1000V PRV
- Ideal for printed circuit board
- Reliable low cost construction utilizing molded plastic technique
- The plastic material has UL flammability classification 94V-0
- Electrically isolated base-1500 Vlots

MECHANICAL DATA

- Polarity : Symbols molded on body
- Weight : 0.15 ounces, 4.0 grams
- Mounting position : Any



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings 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	KBJ 6005	KBJ 601	KBJ 602	KBJ 604	KBJ 606	KBJ 608	KBJ 610	UNIT	
Maximum Recurrent Peak Reverse Voltage	V _{RRM}	50	100	200	400	600	800	1000	V	
Maximum RMS Voltage	V _{RMS}	35	70	140	280	420	560	700	V	
Maximum DC Blocking Voltage	V _{DC}	50	100	200	400	600	800	1000	V	
Maximum Average Forward (with heatsink Note 2) Rectified Current @TC=110°C (without heatsink)	I _(AV)	6.0								A
Peak Forward Surge Current 8.3ms single half sine-wave superimposed on rated load (JEDEC METHOD)	I _{FSM}	170								A
Maximum forward Voltage at 3.0A DC	V _F	1.0								V
Maximum DC Reverse Current @TJ=25°C at Rated DC Blocking Voltage @TJ=125°C	I _R	5.0 500								uA
I ² t Rating for fusing (t < 8.3ms)	I ² t	120								A ² S
Typical Junction Capacitance per element (Note 1)	C _J	80								pF
Typical Thermal Resistance (Note 2)	R _{θJC}	1.5								°C/W
Operating Temperature Range	T _J	-55 to +150								°C
Storage Temperature Range	T _{STG}	-55 to +150								°C

NOTES : 1. Measured at 1.0MHz and applied reverse voltage of 4.0V DC.
2. Unit Mounted on 75mm x 75mm x 1.6mm Cu Plate Heatsink.

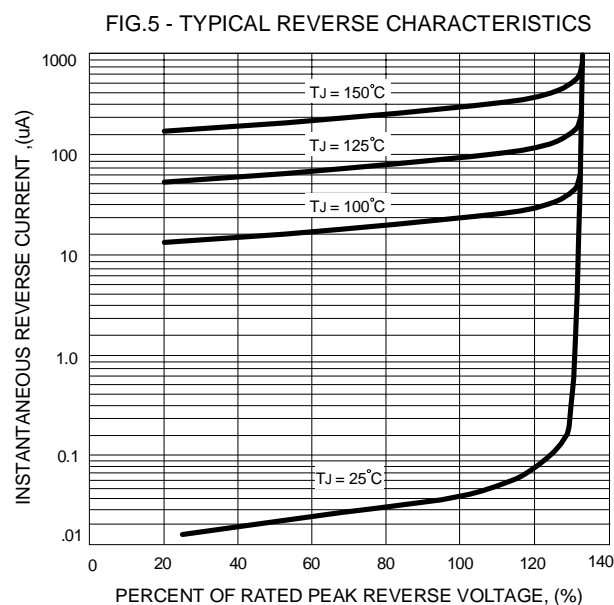
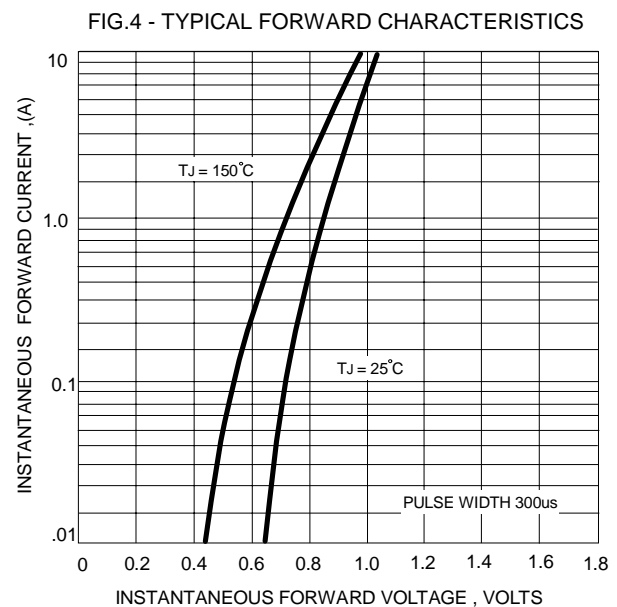
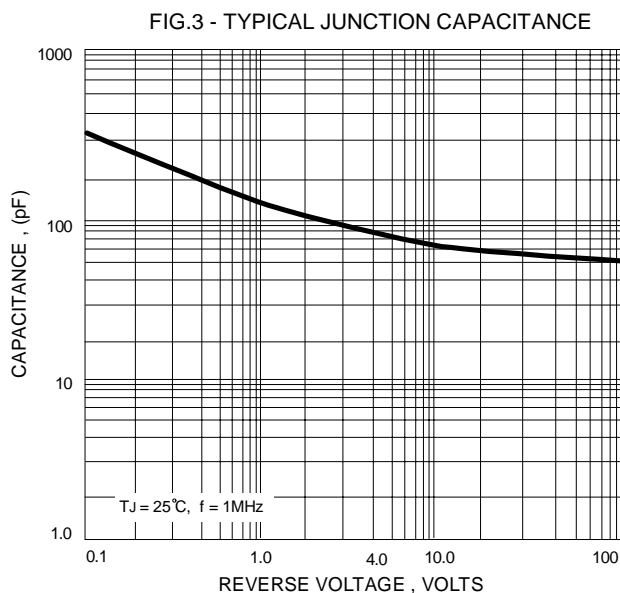
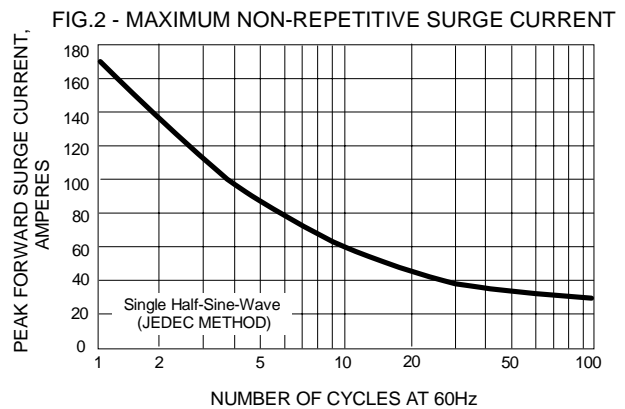
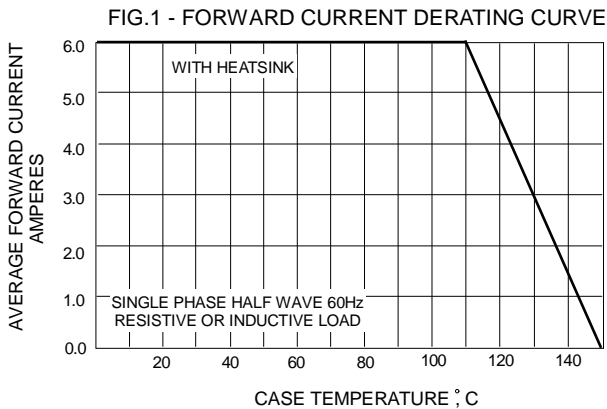


WEET Technology Company Limited

Single Phase Bridge Rectifiers

KBJ6005 THRU KBJ610

REVERSE VOLTAGE - 50 to 1000 Volts
FORWARD CURRENT - 6.0 Amperes



Note: Specifications are subject to change without notice. For more detail and update, please visit our website.