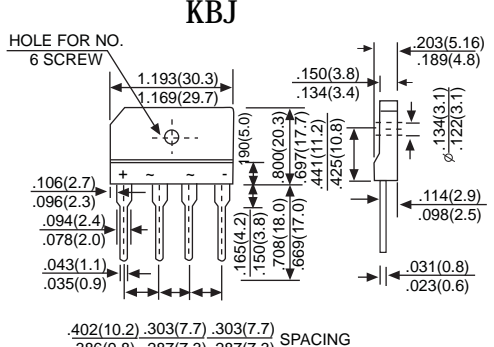


KBJ10A SERIES

<p>SINGLE PHASE 10.0 AMPS. GLASS PASSIVATED BRIDGE RECTIFIERS</p>	<p>Voltage Range 50 to 1000 Volts</p> <p>Current 10.0 Amperes</p>
<p>FEATURES</p> <ul style="list-style-type: none"> *UL Recognized File #230084 *Rating to 1000V PRV *Ideal for printed circuit board *Low forward voltage drop,high current capability *Reliable low cost construction utiliaing molded plastic technique results in inexpensive product *The plastic material has UL flammability classification 94V-0 	<p style="text-align: center;">KBJ</p>  <p style="text-align: center;">Dimensions in inches and (millimeters)</p>

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

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

Type Number	KBJ10	KBJ10	KBJ10	KBJ10	KBJ10	KBJ10	KBJ10	KBJ10	UNITS
	005	01	02	04	06	08	10		
Maximum Repetitive 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@T _c = 100°C (without heatsink)	I _{F(AV)}	10.0 2.8/2.9/3.0							A
Peak Forward Surge Current 8.3ms single half sine-wave super imposed on rated load (JEDEC Method)	I _{FSM}	170							A
Maximum Instantaneous Forward Voltage Drop Per leg @ 3.0A/4.0A/5.0A	V _F	1.0/1.0/1.05							V
Maximum DC Reverse Current at Rated DC Blocking Voltage	I _R	5.0 500							μA
I ² t Rating for fusing (t<8.3ms)	I ² t	120							A ² S
Typical Junction Capacitance per Leg (Note 1)	C _J	55							pF
Typical Thermal Resistance (Note 2)	R _{JC}	1.8/1.6/1.4							°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 4.0 V DC.

2. GBJ/KBJ6005 Thru GBJ/KBJ610: Device mounted on 75mm x 75mm x 1.6mm Cu Plate Heatsink.

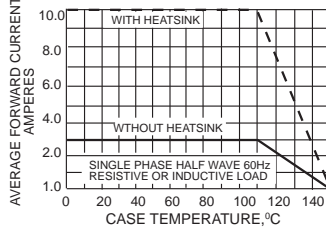
GBJ/KBJ8005 Thru GBJ/KBJ810: Device mounted on 100mm x 100mm x 1.6mm Cu Plate Heatsink.

GBJ/KBJ10005 Thru GBJ/KBJ1010: Device mounted on 150mm x 150mm x 1.6mm Cu Plate Heatsink.

RATING AND CHARACTERISTIC CURVES KBJ10A SERIES

KBJ10A thru KBJ10M

FIG.1-3 - FORWARD CURRENT DERATING CURVE



C

FIG.2-MAXIMUM NON-REPETITIVE SURGE CURRENT

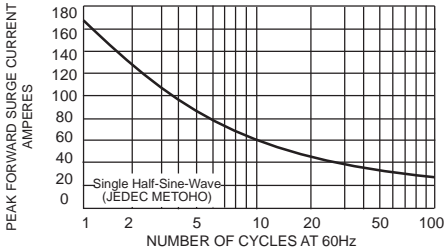


FIG.3 - TYPICAL FORWARD CHARACTERISTICS

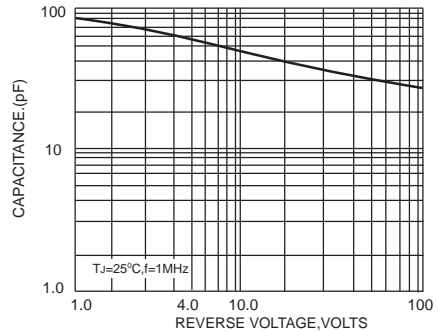


FIG.4 - TYPICAL FORWARD CHARACTERISTICS

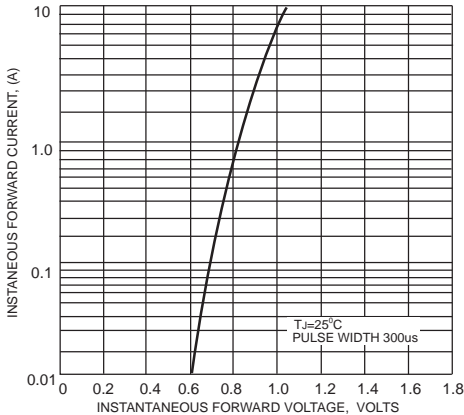


FIG.5-TYPICAL REVERSE CHARACTERISTICS

