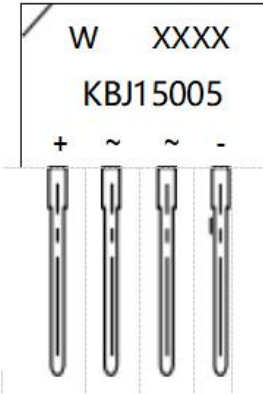


FEATURES	REVERSE VOLTAGE - 50 to 1000 Volts FORWARD CURRENT - 15.0 Amperes										
<ul style="list-style-type: none"> ● Surge overload rating -150 amperes peak 	<p style="text-align: center;">Package : KBJ</p>  <p style="text-align: center;">PINNING</p> <table border="1"> <thead> <tr> <th>PIN</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Input Pin (~)</td> </tr> <tr> <td>2</td> <td>Input Pin (~)</td> </tr> <tr> <td>3</td> <td>Output Anode (+)</td> </tr> <tr> <td>4</td> <td>Output Cathode (-)</td> </tr> </tbody> </table>	PIN	DESCRIPTION	1	Input Pin (~)	2	Input Pin (~)	3	Output Anode (+)	4	Output Cathode (-)
PIN		DESCRIPTION									
1	Input Pin (~)										
2	Input Pin (~)										
3	Output Anode (+)										
4	Output Cathode (-)										
<ul style="list-style-type: none"> ● Ideal for printed circuit board ● Reliable low cost construction utilizing molded plastic technique ● The plastic material has UL flammability classification 94V-0 ● Mounting position:Any ● Weight: 0.151ounces , 4.27 grams <p>MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS</p> <p>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%</p>											

CHARACTERISTICS	SYMBOL	KBJ 15005	KBJ 1501	KBJ 1502	KBJ 1504	KBJ 1506	KBJ 1508	KBJ 1510	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 @ T _c =110°C (without heatsink)	I _(AV)	15.0 3.2							A
Peak Forward Surge Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load (JEDEC Method)	I _{FSM}	240							A
Maximum Forward Voltage at 5.0A DC	V _F	1.1							V
Maximum DC Reverse Current @ T _J =25°C at Rated DC Blocking Voltage @ T _J =125°C	I _R	10.0 500							uA
I ² t Rating for Fusing (t<8.3ms)	I ² t	240							A ² s
Typical Junction Capacitance Per Element (Note1)	C _J	60							pF
Typical Thermal Resistance (Note2)	R _{θJC}	0.8							°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.Device mounted on 150mm*150mm*1.6mm cu plate heatsink.

FIG.1-FORWARD CURRENT DERATING CURVE

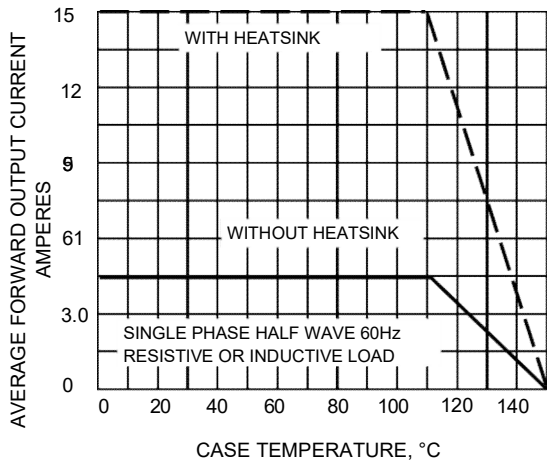


FIG.2-MAXMUN NON-REPETITIVE SURGE CURRENT

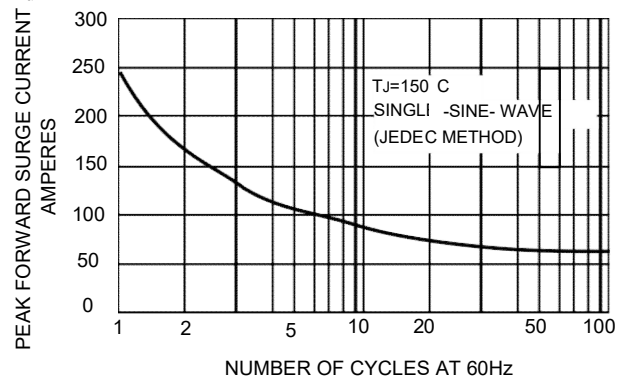


FIG.3-TYPICAL JUNCTION CAPACITANCE

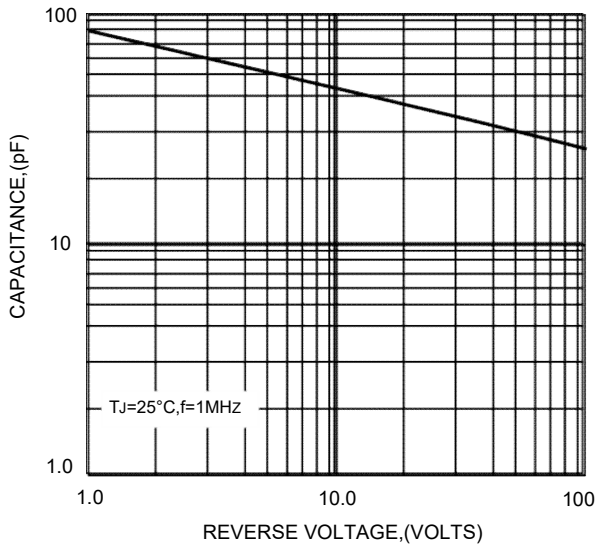


FIG.4-TYPICAL FORWARD CHARACTERISTICS

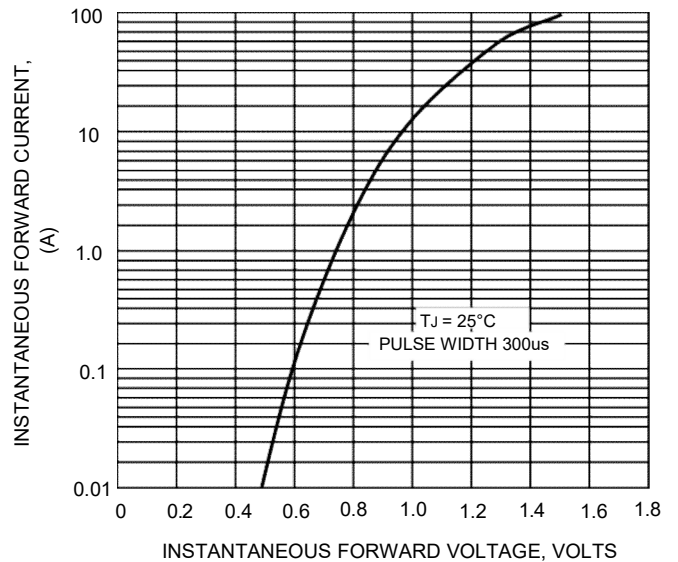


FIG.5-TYPICAL REVERSE CHARACTERISTICS

