

KBL(G)/RS4(G)/KBL6(G) SERIES

GLASS PASSIVATED BRIDGE RECTIFIERS	<p>REVERSE VOLTAGE -50 to 1000Volts</p> <p>FORWARD CURRENT -4/6Amperes</p>
<p>FEATURES</p> <ul style="list-style-type: none"> ● Surge overload rating-125/150 Amperes peak ● Ideal for printed circuit board ● Plastic material has UL flammability classification 94V-0 ● Mounting position :Any 	<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.

Single phase, half wave ,60Hz, resistive or inductive load.

For capacitive load, derate current by 20%

CHARACTERISTICS	SYMBOL	KBL 6005(G)	KBL 601(G)	KBL 602(G)	KBL 604(G)	KBL 606(G)	KBL 608(G)	KBL 610(G)	UNIT
		RS401(G)	RS402(G)	RS403(G)	RS404(G)	RS405(G)	RS406(G)	RS407(G)	
		KBL 4005(G)	KBL 401(G)	KBL 402(G)	KBL 404(G)	KBL 406(G)	KBL 408(G)	KBL 410(G)	
Maximum Recurrent Peak Reverse Voltage	VRRM	50	100	200	400	600	800	1000	V
Maximum RMS Bridge Input Voltage	VRMS	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	VDC	50	100	200	400	600	800	1000	V
Maximum Average Forward Output Current at 50°C TA (Note1)	I(AV)	4.0 6.0							A
Peak Forward Surge Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load	IFSM	125 150							A
Maximum Forward Voltage Drop Per Element at 2.0/3.0A Peak	VF	1.1							V
Maximum DC Reverse Current at Rated DC Blocking Voltage	IR	10.0							uA
Maximum Reverse Current at Rated DC Blocking Voltage and 150°C TA	IR	1.0							mA
Operating Temperature RangeTJ	TJ	-55 to +150							°C
Storage Temperature Range TA	TSTG	-55 to+150							°C

NOTES: 1. Mounting conditions ,0.5" lead length maximum.

RATING AND CHARACTERISTIC CURVES

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FIG.1-MAXIMUM FORWARD SURGE CURRENT

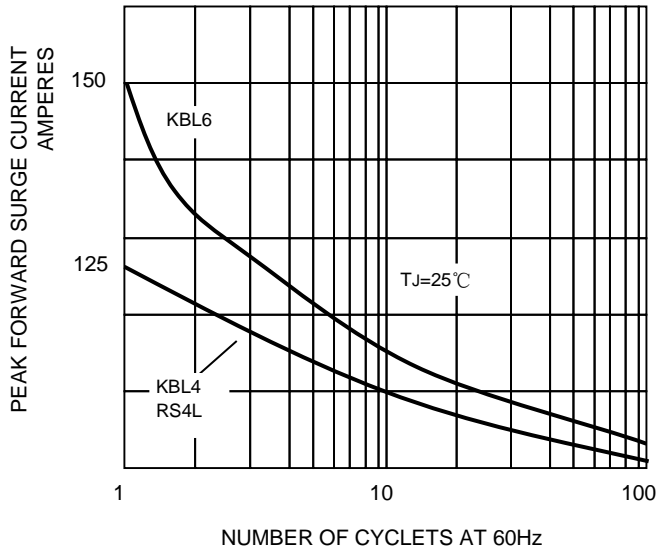


FIG.1-DERATING CURVE
OUTPUT RECTIFIED CURRENT

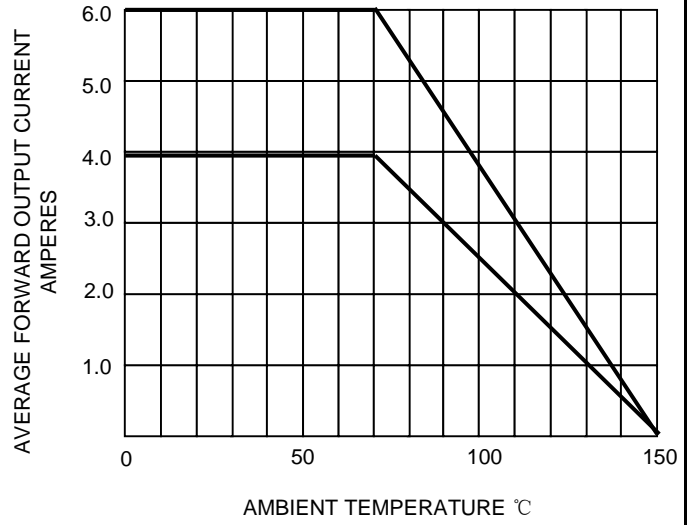


FIG.4-TYPICAL FORWARD CHARACTERISTICS

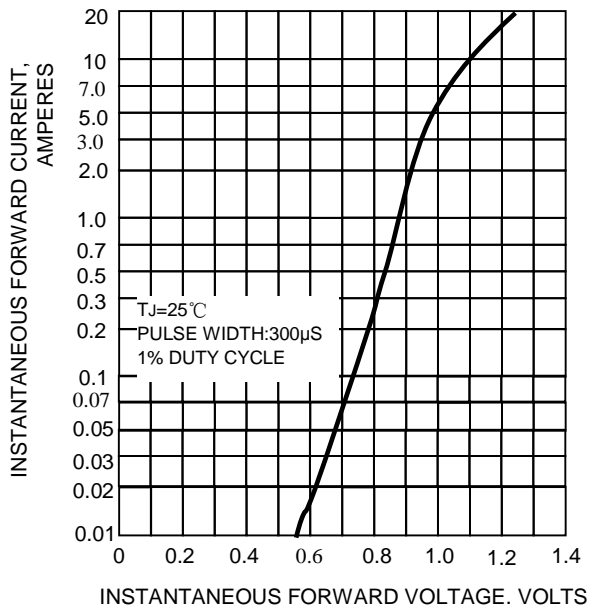


FIG.4-TYPICAL REVERSE CHARACTERISTICS

