



KBL4/KBL6 SERIES

SILICON BRIDGE RECTIFIERS	REVERSE VOLTAGE - 50 to 1000Volts FORWARD CURRENT - 4/6Amperes
FEATURES ●Surge overload rating -150~175 Amperes peak ●Ideal for printed circuit board ●Plastic material has UL flammability classification 94V-0 ●Mounting position :Any	KBL Dimensions in inches and (millimeters)

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	KBL005	KBL01	KBL02	KBL04	KBL06	KBL08	KBL10	UNIT
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 40°C TA (Note1)	4.0A 6.0A I(AV)	4.0 6.0							A
Peak Forward Surge Current	8.3ms Single Half Sine-Wave Super Imposed on Rated Load I(FSM)	150 175							A
Maximum Forward Voltage Drop Per Element at 4.0/3.0A Peak	V _F	1.0							V
Maximum DC Reverse Current at Rated DC Blocking Voltage	I _R	10.0							uA
Maximum Reverse Current at Rated DC Blocking Voltage and 150°C TA	I _R	1.0							mA
Operating Temperature RangeT _J	T _J	-55 to +125							°C
Storage Temperature Range TA	T _{STG}	-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

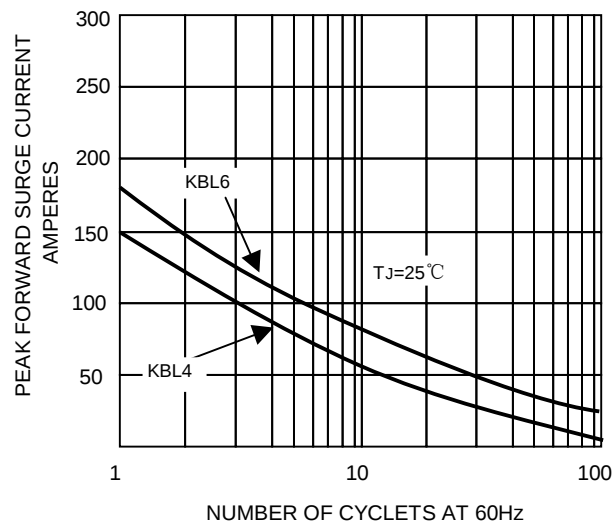


FIG.1-DERATING CURVE
OUTPUT RECTIFIED CURRENT

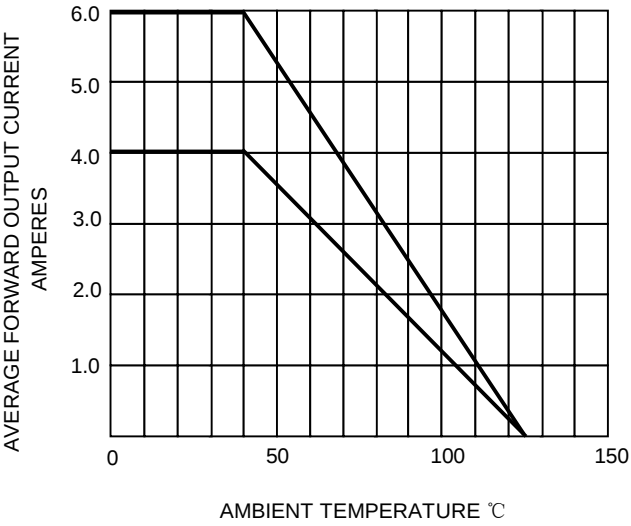


FIG.4-TYPICAL FORWARD
CHARACTERISTICS

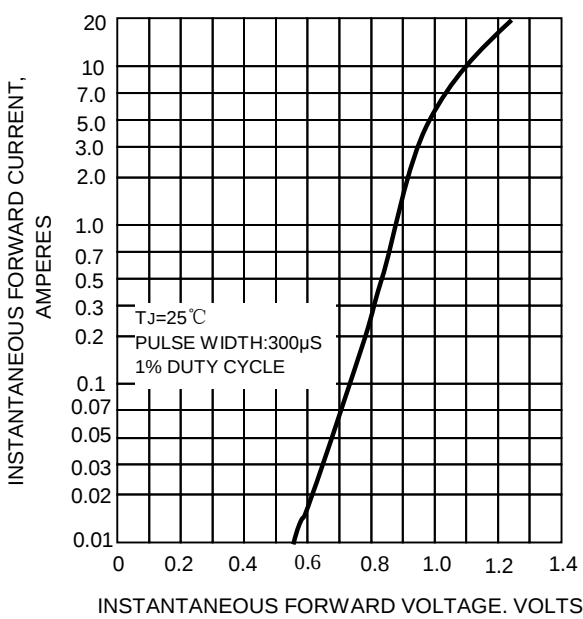


FIG.4-TYPICAL REVERSE
CHARACTERISTICS

