

DC COMPONENTS CO., LTD.

RECTIFIER SPECIALISTS

KBL _/ RS 005 401 THRU KBL _/ RS 10 407

TECHNICAL SPECIFICATIONS OF GLASS PASSIVATED BRIDGE RECTIFIER VOLTAGE RANGE - 50 to 1000 Volts CURRENT - 4.0 Amperes

FEATURES

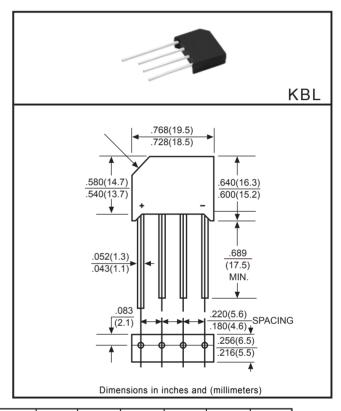
- * High forward surge capability
- * High capability
- * High current capability
- * Low forward voltage drop
- * Glass passivated junction

MECHANICAL DATA

- * Case: Molded plastic
- * Epoxy: UL 94-V0 rated flame retardant
- * Lead: MIL-STD-202E, Method 208 guaranteed
- * Polarity: Symbols molded or marked on body
- * Mounting position: Any
- * Weight: 4.8 grams

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

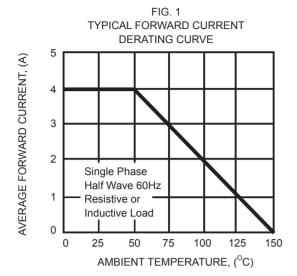
Ratings at 25°C ambient temperature unless otherwise specified. Single phase, half wave, 60Hz, resistive or inductive load. For capacitive load, derate current by 20%.

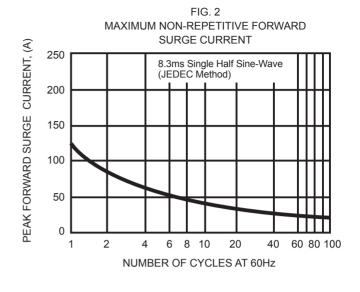


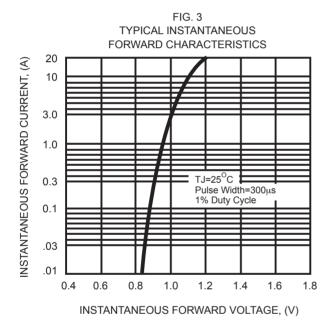
		RS401	RS402	RS403	RS404	RS405	RS406	RS407		
		SYMBOL	KBL005	KBL01	KBL02	KBL04	KBL06	KBL08	KBL10	UNITS
Maximum Recurrent Peak Reverse Voltage		VRRM	50	100	200	400	600	800	1000	Volts
Maximum RMS Voltage		VRMS	35	70	140	280	420	560	700	Volts
Maximum DC Blocking Voltage		VDC	50	100	200	400	600	800	1000	Volts
Maximum Average Forward Rectified Current at TA = 50°C		lo	4.0							Amps
Peak Forward Surge Current 8.3 ms single half sine-wave superimposed on rated load (JEDEC Method)		IFSM	125						Amps	
Maximum Instantaneous Forward Voltage at 4.0A DC		VF	1.1						Volts	
Maximum DC Reverse Current at Rated DC Blocking Voltage	$@TJ = 25^{\circ}C$ $@TJ = 125^{\circ}C$	lR	10 100					μ A mps		
I ² t Rating for Fusing (t<8.3mS)		l ² t	64.8							l ² t
Operating and Storage Temperature Range		TJ,TSTG	-55 to +150							°C

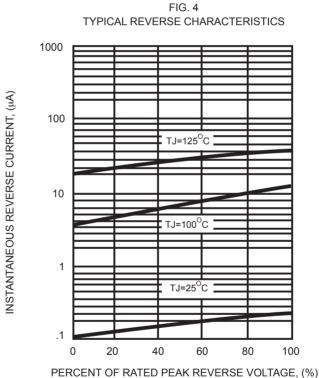
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RATING AND CHARACTERISTIC CURVES (KBL005 THRU KBL10 RS407)









ENGLINE OF TWILED FEMILIAL VOLUME, (70)

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