Unit: Inch(mm)

0.256(6.5)

0.638(16.2)

0.050(1.29)

0.083(2.1)

FL/KBL

C0.134(3.4)

0.579(14.7) 0.539(13.7)

945(24.0)MIN

0.768(19.5) 0.728(18.5)

0.220(5.6)

KBL404~KBL410

Glass Passivated Bridge Rectifiers

VOLTAGE 400 to 1000 Volt CURRENT 4 Ampere

FEATURES

- UL Recognized File #E228882
- Plastic material has Underwriters Laboratory Flammability Classification 94V-O
- Flammability Classification 94
- Ideal for printed circuit board
- Reliable low cost construction utilizing molded plastic technique.
- Lead free in compliance with EU RoHS2.0 (2011/65/EU & 2015/865/EU directive)
- •Glass passivated chip junction

MECHANICAL DATA

Case: FL/KBL

- •Terminals: Leads solderable per MIL-STD-750, Method 2026
- Polarity: As marked on body

• Weight: 5.4g

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25°Cambient temperature unless otherwise specified.

PARAMETEI	र	SYMBOL	KBL 404	KBL 406	KBL 408	KBL 410	UNIT
Maximum repetitive peak reverse voltage		Vrrm	400	600	800	1000	V
Maximum RMS voltage		Vrms	280	420	560	700	V
Maximum DC blocking voltage		VDC	400	600	800	1000	V
Maximum average forward rectified current		F(AV)	4				
Peak forward surge current, 8.3 ms single half sine-wave		FSM	150				
Rating of fusing (t<8.3ms)(Note1)		l ² t	93				
Maximum instantaneous forw voltage per diode	vard IF = 2 A IF = 4 A	VF			1 .1		V
Maximum reverse current @ rated V _R	TJ =25°C TJ =125°C	I _R -	5 500				-μΑ
Typical junction capacitance (Note 2)		CJ	40				
Typical thermal resistance	(Note 3) (Note 4)	R∂JA R∂JL	19 2.4				°C/W
Operating junction temperature range		TJ	- 55 to +150				
Storage temperature range		Тѕтс	- 55 to +150				

Note 1: Non-repetitive, for t>1ms and < 8.3ms.

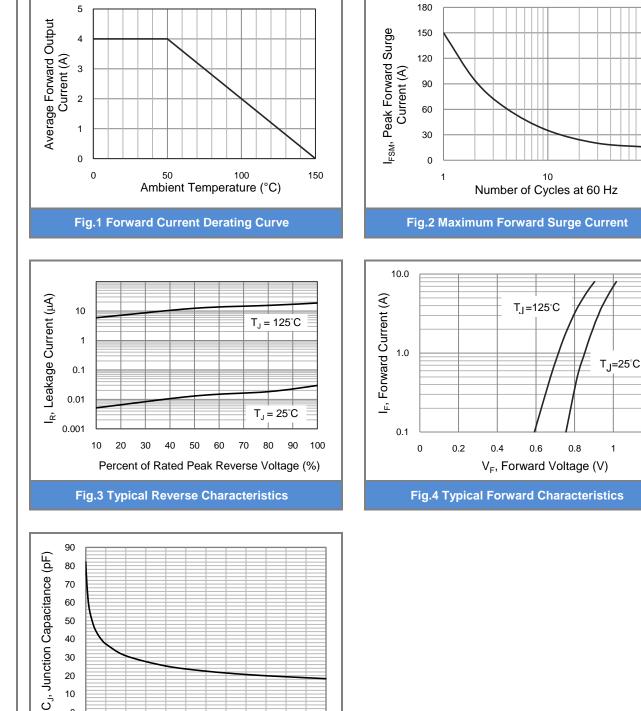
Note 2: Measured at 1MHz and applied Reverse bias of 4V DC

Note 3: Thermal resistance from junction to ambient with units mounted on aluminum plate heatsink

Note4: Thermal resistance from junction to lead with units mounted on PCB

 $V_{\rm R},$ Reverse Bias Voltage (V)

Fig.5 Typical Junction Capacitance



TYPICAL CHARACTERISTIC CURVES





1.2



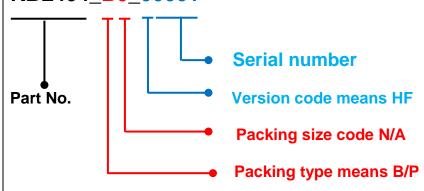


KBL404~KBL410

Part No_packing code_Version KBL404_B0_00001

KBL404_B0_00001 KBL404_B0_10001

For example : KBL404_B0_00001



	Version Code XXXXX					
Packing type	I st Code	Packing size code	2 st Code	HF or RoHS	I st Code	$2^{st} \sim 5^{st}$ Code
Tape and Ammunition Box (T/B)	Α	N/A	0	HF	0	serial number
Tape and Reel (T/R)	R	7"	1	RoHS	1	serial number
Bulk Packing (B/P)	В	13"	2			
Tube Packing (T/P)	т	26mm	X			
Tape and Reel (Right Oriented) (TRR)	S	52mm	Y			
Tape and Reel (Left Oriented) (TRL)	L	PANASERT T/B CATHODE UP (PBCU)	U			
FORMING	F	PANASERT T/B CATHODE DOWN (PBCD)	D			



KBL404~KBL410

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