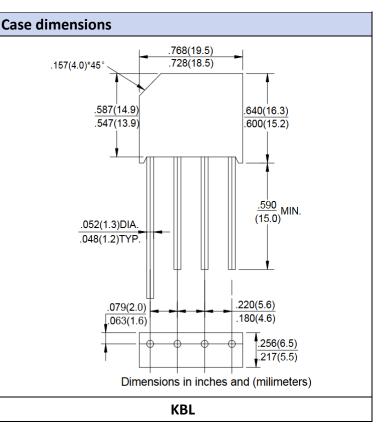


SMD Rectifier Bridge

Primary characteristics						
Parameter	Value	Unit				
Maximum Repetitive Peak Reverse Voltage	100 ~ 1000	V				
Maximum Average Forward Rectified Current	4.0	A				

Features

- KBL case for easy automatic insertion. •
- Pb-free and **RoHS** compliant •
- Low forward voltage drop
- High current capability •
- Glass passivated chip junction •
- Low power loss, high efficiency •
- Solderable per MIL-STD-202, Method 208 •
- Weight: 5.6g/0.2oz •

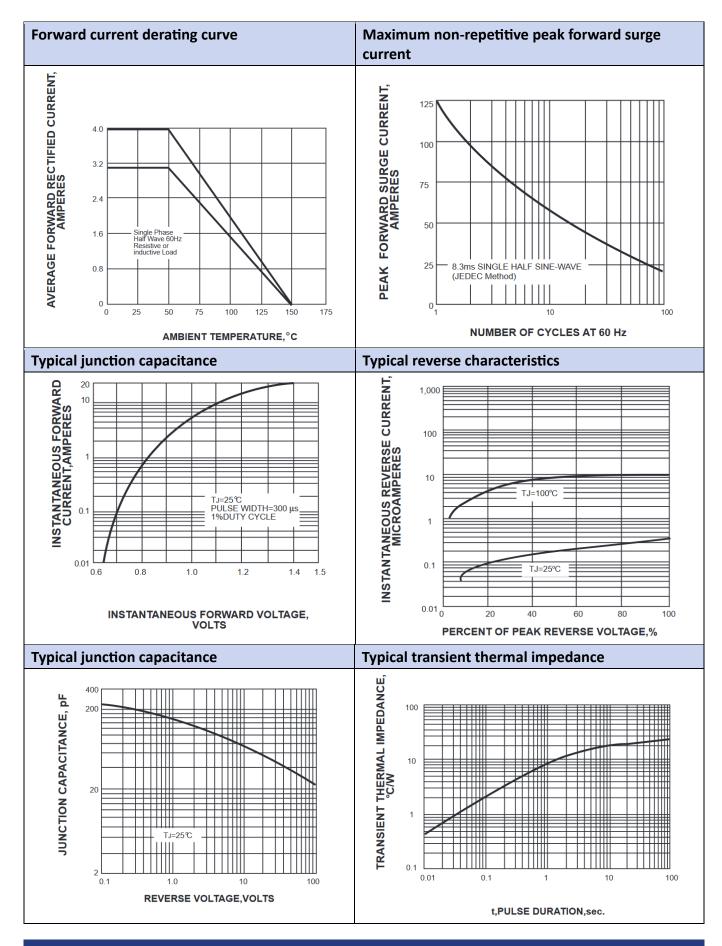


Parameter		Symbol	Value						
			KBL401	KBL402	KBL404	KBL406	KBL408	KBL410	Unit
Maximum repetitive peak reverse voltage		V _{RRM}	100	200	400	600	800	1000	
Maximum RMS voltage		V _{RMS}	70	140	280	420	560	700	V
Maximum DC blocking voltage		V _{DC}	100	200	400	600	800	1000	
Maximum average forward rectified current	T _C =100°C	I _(AV)	4.0						
Peak forward surge current 8.3mS single half sine wave superimposed on rated load (JEDEC method)		I _{FSM}	125						A
Maximum instantaneous forward voltage @I _F =2.0A, 25°C		V _F	1.0						V
Maximum DC reverse current at rated DC blocking voltage	T _a =25°C	– I _R	10						
	T _a =125°C		500						ųА
I2t rating for fusing (3ms≤t≤8.3ms)		l²t	166						A ² S
Typical junction capacitance ¹⁾		Cj	105					pF	
Typical thermal resistance ²⁾		R _{eJA}	20						°C/W
Operating junction and storage temperature range		T _j , T _{STG}	-55 ~ 150				°C		

2)

Unit case mounted on 7.5" x 7.5" x 0.3cm" aluminium plate heat sink





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Ordering information						
Part Number	Package	Shipping Quantity	Industry standard			
KBL401 ~ KBL410	KBL	500 pcs	EIA-481-1			

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