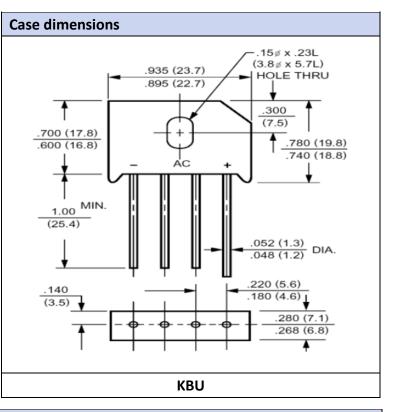


## **SMD Rectifier Bridge**

Primary characteristics						
Parameter	Value	Unit				
Maximum Repetitive Peak Reverse Voltage	100 ~ 1000	V				
Maximum Average Forward Rectified Current	8.0	А				

## **Features**

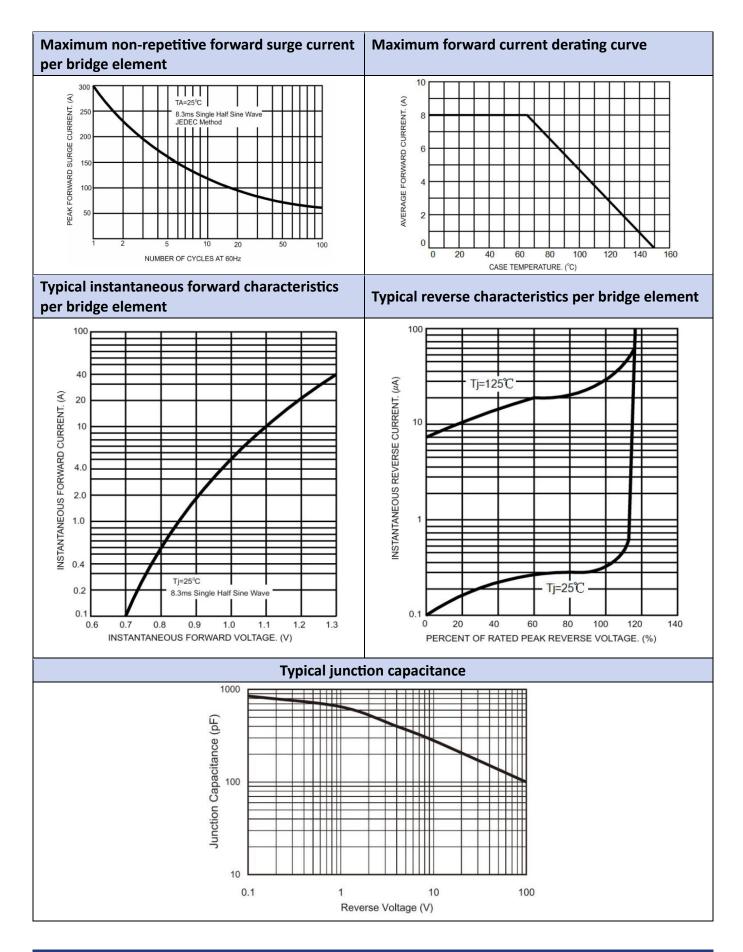
- **KBU** case for easy automatic insertion.
- Pb-free and **RoHS** compliant
- Low forward voltage drop
- High current capability
- Glass passivated chip junction
- Low power loss, high efficiency
- Solderable per MIL-STD-202, Method 208
- Weight: 8g/0.3oz



Absolute maximum ratings and general electrical characteristics ( $T_a = 25^{\circ}C$ )									
Parameter		Symbol	Value					11	
			KBU801	KBU802	KBU804	KBU806	KBU808	KBU810	Unit
Maximum repetitive peak reverse voltage		V <sub>RRM</sub>	100	200	400	600	800	1000	
Maximum RMS voltage		V <sub>RMS</sub>	70	140	280	420	560	700	V
Maximum DC blocking voltage		$V_{\text{DC}}$	100	200	400	600	800	1000	
Maximum average forward rectified current	T <sub>c</sub> =100°C	I <sub>(AV)</sub>	8.0						
Peak forward surge current 8.3mS single half sine wave superimposed on rated load (JEDEC method)		I <sub>FSM</sub>	300					A	
Maximum instantaneous forward voltage @I <sub>F</sub> =2.0A, 25°C		$V_{\text{F}}$	1.0					V	
Maximum DC reverse current at rated DC blocking voltage	T <sub>a</sub> =25°C		10						
	T <sub>a</sub> =125°C	I <sub>R</sub>	500						ųА
I2t rating for fusing (3ms≤t≤8.3ms)		l²t	180					A <sup>2</sup> S	
Typical junction capacitance <sup>1)</sup>		Cj	400					рF	
Typical thermal resistance 2)		$R_{eJA}/R_{eJC}$	18/3.0					°C/W	
Operating junction and storage temperature range		Tj, T <sub>STG</sub>	-55 ~ 150					°C	
<ol> <li>Measured at 1.0MHz and applied reverse voltage of 4.0VDC</li> <li>Unit case mounted on 4" x 6" x 0.25cm" aluminium plate heat sink</li> </ol>									

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Ordering information						
Part Number	Package	Shipping Quantity	Industry standard			
KBU801 ~ KBU810	KBU	400 pcs	EIA-481-1			

## **Disclaimer**

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