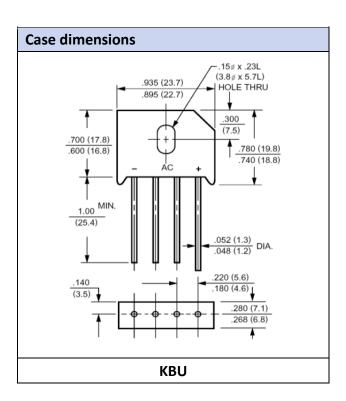


SMD Rectifier Bridge

Primary characteristics					
Parameter	Value	Unit			
Maximum Repetitive Peak Reverse Voltage	50 ~ 1000	V			
Maximum Average Forward Rectified Current	8.0	Α			

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-750, Method 2026
- Weight: 8g/0.3oz



Absolute maximum ratings and general electrical characteristics (T _a = 25°C)										
Parameter		Symbol	Value						Unit	
			KBU8005	KBU801	KBU802	KBU804	KBU806	KBU808	KBU810	Unit
Maximum repetitive peak reverse voltage		V _{RRM}	50	100	200	400	600	800	1000	
Maximum RMS voltage		V _{RMS}	35	70	140	280	420	560	700	٧
Maximum DC blocking voltage		V _{DC}	50	100	200	400	600	800	1000	
Maximum average forward rectified current	T _C =100°C	I _(AV)	8.0							
Peak forward surge current 8.3mS single half sine wave superimposed on rated load (JEDEC method)		I _{FSM}	300					A		
Maximum instantaneous forward voltage @I _F =2.0A, 25°C		V _F	1.1						٧	
Maximum DC reverse current at	T _a =25°C		10 500						ųА	
rated DC blocking voltage	T _a =125°C	- I _R								
Typical junction capacitance 1)		Cj	200					pF		
Typical thermal resistance ²⁾		$R_{\Theta JA}$	2.7					°C/W		
Operating junction and storage temperature range		T _j , T _{STG}	-55 ~ 1 50						°C	

Notes:

- 1) Measured at 1.0MHz and applied reverse voltage of 4.0VDC
- 2) Unit case mounted on 4" x 6" x 0.25cm" aluminium plate heat sink

اــا01. 0.6

0.7

8.0

0.9

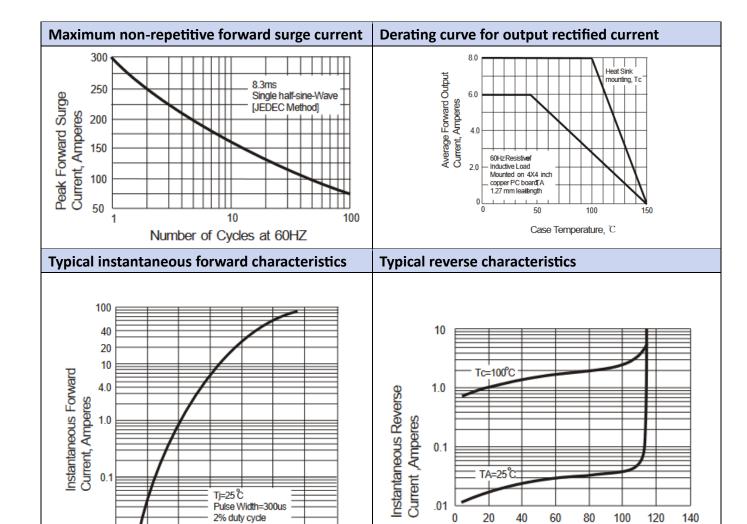
Instantaneous Forward Voltage, Volts

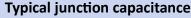
1.0

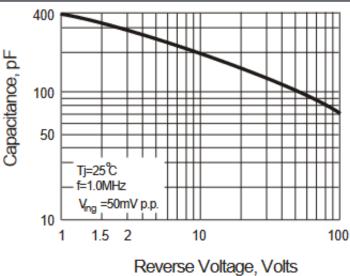
1.2

KBU8005 - KBU810 Series

Percent of Rated Peak Reverse Voltage, %









Ordering information						
Part Number	Package	Shipping Quantity	Industry standard			
KBU8005 ~ KBU810	KBU	400 pcs	EIA-481-1			

Disclaimer

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