

KBU600 Thru 610

Reverse Voltage: 50 - 1000 Volts

Forward Current: 6.0 Amp

Features

Diffused Junction

Low Forward Voltage Drop

High Current Capability

High Reliability

High Surge Current Capability

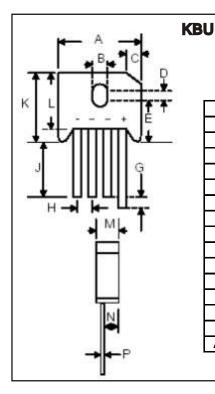
Ideal for Printed Circuit Boards

Mechanical Data

Case: Molded Plastic

Terminals: Plated Leads Solderable per

MIL-STD-202, Method 208 Weight: 1.7 grams (approx.) Mounting Position: Any Marking: Type Number



KBU							
Dim	Min Max						
Α	22.7	23.70					
В	3.80	4.10					
С	4.20	4.70					
D	1.70	2.20					
Е	10.30	11.30					
G	4.50	6.80					
Н	4.60	5.60					
J	25.40	-					
K	1	19.30					
L	16.80	17.80					
M	6.60	7.10					
N	4.70	5.20					
Р	1.20	1.30					
All Dimensions in mm							

Maximum Ratings and Electrical Characterics

Single Phase, half wave, 60Hz, resistive or inductive load. For capacitive load, derate current by 20%.

CHARACTERISTICS	Symbol	KBU 600	KBU 601	KBU 602	KBU 604	KBU 606	KBU 608	KBU 610	UNIT
Peak Repetitive Reverse Voltage	V_{RRM}								
Working Peak Reverse Voltage	V_{RWM}	50	100	200	400	600	800	1000	V
DC Blocking Voltage	V_R								
RMS Reverse Voltage	$V_{R(RMS)}$	35	70	140	280	420	560	700	V
Average Rectified Output Current @ T _A = 100°C	I _O	6.0							Α
Non-Repetitive Peak Forward Surge Current 8.3ms Single half sine-wave superimposed on rated load (JEDEC Method)	I _{FSM}	250							А
Forward Voltage (per element) @I _F = 3.0A	V_{FM}	1.0							V
Peak Reverse Current $@T_C = 25^{\circ}C$ At Rated DC Blocking Voltage $@T_C = 100^{\circ}C$	I _R	10 1.0							uA mA
Rating for Fusing (t < 8.3ms) (Note1)	l ² t	166							A ² s
Typical Thermal Resistance (Note2)	R _{€JC}	4.2							K/W
Operating and Storage Temperature Range	Tj, T _{STG}	-65 to +150							°C

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

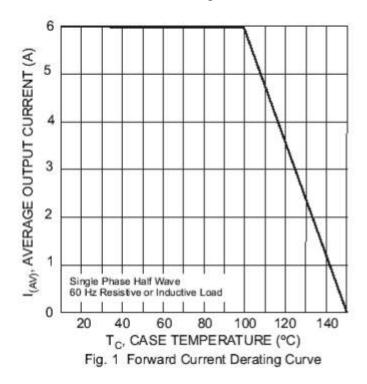
2. Thermal resistance junction to ambient mounted on PC board with 13.0 x 13.0 x 0.03mm thick land areas.

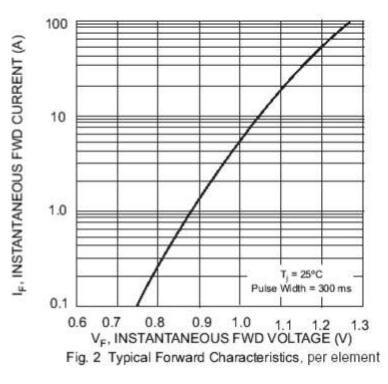
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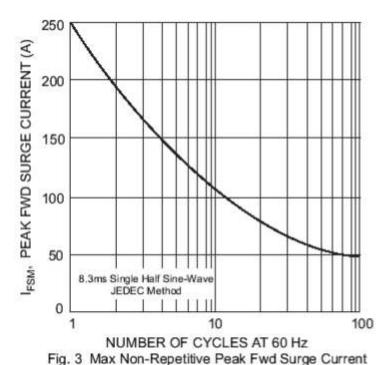
Silicon Bridge Rectifiers

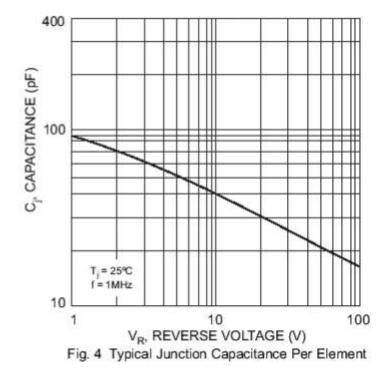


Rating and Characteristic Curves (KBU600 - KBU610)





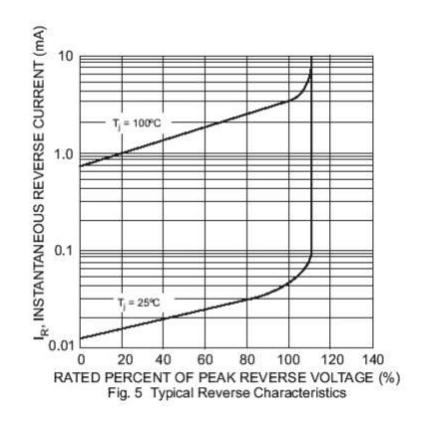




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Rating and Characteristic Curves (KBU600 - KBU610)



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Datasheets for electronics components.