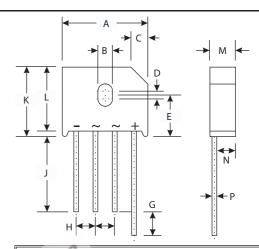


KBU6A THRU KBU6M

CURRENT 6.0 Amperes VOLTAGE 50 to 1000 Volts

Features

- · Diffused Junction
- · Low Forward Voltage Drop, High Current Capability
- · Surge Overload Rating to 250A Peak
- · Ideal for Printed Circuit Board Applications
- · Case to Terminal Isolation Voltage 1500V
- · Plastic Material UL Flammability Classification Rating 94V-0



Mechanical Data

· Case: Molded Plastic

· Terminals : Plated Leads Solderable per MIL-STD-202, Method 208

· Polarity: As Marked on Case

· Mounting : Through Hole for #6 Screw

· Mounting Torque: 5.0 Inch-pounds Maximum

Weight: 8.0 grams (approx.)
Mounting Position: Any
Marking: Type Number

KBU										
Dim	Min	Max	Dim	Min	Max					
Α	22.70	23.70	J	25.40	_					
В	3.80	4.10	K	_	19.30					
C	4.20	4.70	L	16.80	17.80					
D	1.70	2.20	М	6.60	7.10					
E	10.30	11.30	N	4.70	5.20					
G	4.50	6.80	Р	1.20	1.30					
Н	4.80	5.80								
All Dimensions in mm										

Maximum Ratings And Electrical Characteristics

(Ratings at 25 $^{\circ}$ C ambient temperature unless otherwise specified, Single phase, half wave 60Hz, resistive or inductive load. For capacitive load, derate by 20%)

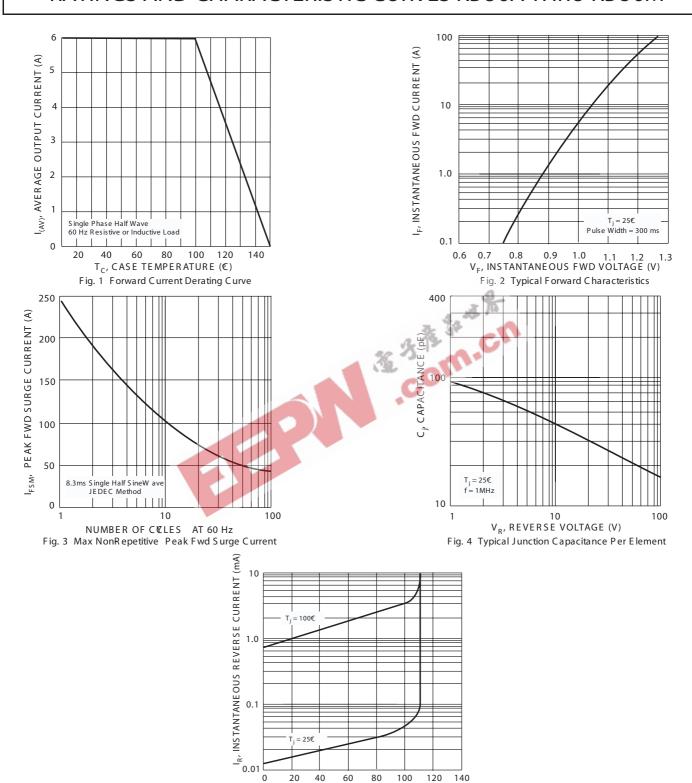
		Symbols	KBU 6A	KBU 6B	KBU 6D	KBU 6G	KBU 6J	KBU 6K	KBU 6M	Units
Peak Repetitive Reverse voltage Working Peak Reverse voltage DC Blocking voltage		VRMM VRWM VR	50	100	200	400	600	800	1000	Volts
RMS Reverse voltage		Vrms	35	70	140	280	420	560	700	Volts
Average Rectified Output Current	lo	6.0							Amps	
Non-Repetitive Peak Forward Surge Current, 8.3ms single half-sine-wave superimposed on rated load (JEDEC method)		lfsm	200							Amps
Forward voltage (per element) @ IF=3.0 A		VFM	1.0						Volts	
Peak Reverse Current at Rated	@ Tc=25 ℃	lou	10							μ A
DC Blocking voltage	@ Tc=100°C	IRM	1.0							mA
I ² t Rating for Fusing (Note 2)		l ² t	166							A ² s
Typical Thermal Resistance, Junction to Case (Note 1)		R⊖JA	6.3						°C/W	
Operating and Storage Temperature Range		Tj Tstg	-65 to +150						°C	

Notes

- (1) Thermal resistance junction to case mounted on heat sink.
- (2) Non-repetitive, for t > 1.0ms and t < 8.3ms.



RATINGS AND CHARACTERISTIC CURVES KBU6A THRU KBU6M



. = 25€

60

80 RATED PERCENT OF PEAK REVERSE VOLTAGE (% Fig. 5 Typical Reverse Characteristics