

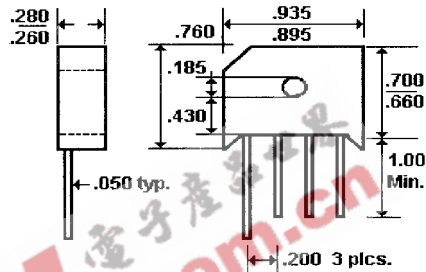
6.0 Amp SINGLE PHASE SILICON BRIDGE

KBU600 . . . 610 Series

Description



Mechanical Dimensions



Mechanical Data: Weight - 0.3 Ounces. Mounting Torque - 5.1 lbs. Mounting Position - Any.

Features

- COMPACT SIZE
- LOW LEAKAGE CURRENT
- 250 AMP SURGE OVERLOAD RATING
- MEETS UL SPECIFICATION 94V-0

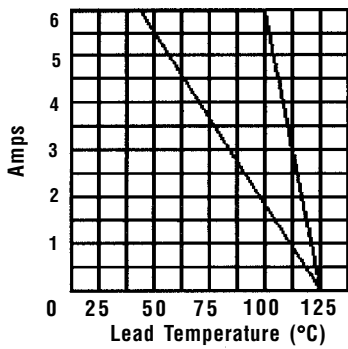
Electrical Characteristics @ 25°C.	KBU600 . . . 610 Series							Units
Maximum Ratings	KBU600	KBU601	KBU602	KBU604	KBU606	KBU608	KBU610	
Peak Repetitive Reverse Voltage... V_{RRM}	50	100	200	400	600	800	1000	Volts
RMS Reverse Voltage... $V_{R(rms)}$	35	70	140	280	420	560	700	Volts
DC Blocking Voltage... V_{DC}	50	100	200	400	600	800	1000	Volts
Average Forward Rectified Current... $I_{F(av)}$ $T_A = 25^\circ C$	.....			6.0	.....			Amps
Non-Repetitive Peak Forward Surge Current... I_{FSM} 8.3 mS Single ½ Sine Wave Imposed on Rated Load	.....			250	.....			Amps
Forward Voltage... V_F Bridge Element @ 6.0 Amps	.....			1.0	.....			Volts
DC Reverse Current... I_R @ Rated DC Blocking Voltage	.....			10	.....			μ Amps
	.....			1.0	.....			mAmps
Typical Thermal Resistance... $R_{\theta JC}$	.....			10	.....			°C/W
Operating Temperature Range... T_J			-55 to 125			°C
Storage Temperature Range... T_{STRG}			-55 to 150			°C



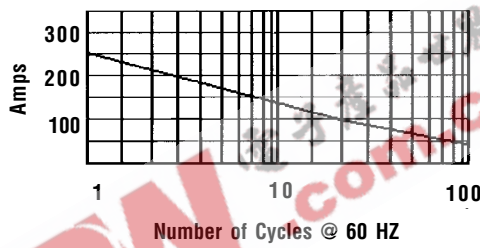
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KBU600 . . . 610 Series

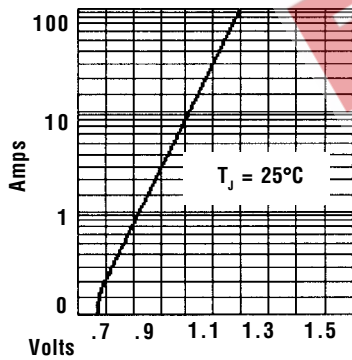
Forward Current Derating Curve



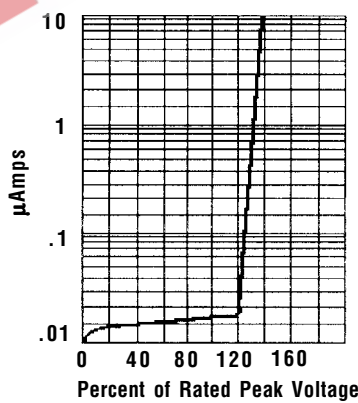
Non-Repetitive Peak Forward Surge Current



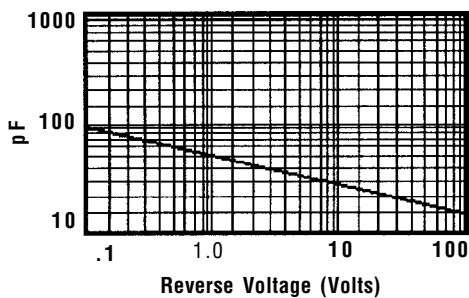
Typical Instantaneous Forward Characteristics



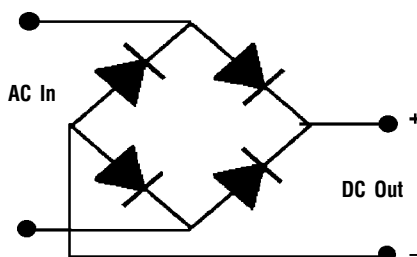
Typical Reverse Characteristics



Typical Junction Capacitance



Electrical Description



Ratings at 25 Deg. C ambient temperature unless otherwise specified.

Single Phase Half Wave, 60 HZ Resistive or Inductive Load.

For Capacitive Load, Derate Current by 20%.