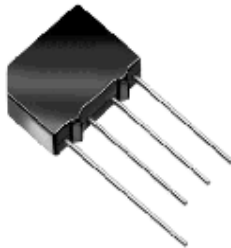


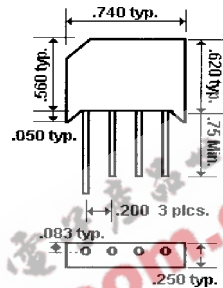
# 4.0 Amp SINGLE PHASE SILICON BRIDGE

**KBL400 . . . 410 Series**

## Description



## Mechanical Dimensions



Mechanical Data: Mounting Position - Any.  
Weight - 0.3 Ounce.

## Features

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

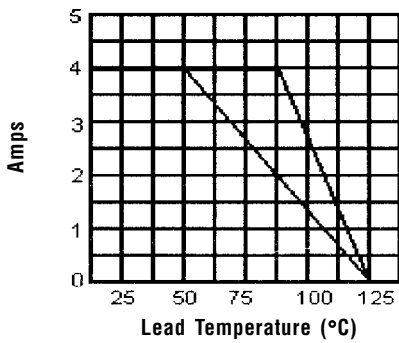
Electrical Characteristics @ 25°C.	KBL400 . . . 410 Series							Units
Maximum Ratings	KBL400	KBL401	KBL402	KBL404	KBL406	KBL408	KBL410	
Peak Repetitive Reverse Voltage... $V_{RRM}$	50	100	200	400	600	800	1000	Volts
RMS Reverse Voltage... $V_{R(rms)}$	35	70	140	280	420	560	700	Volts
DC Blocking Voltage... $V_{DC}$	50	100	200	400	600	800	1000	Volts
Average Forward Rectified Current... $I_{F(av)}$ $T_A = 25^\circ C$	.....			4.0	.....			Amps
Non-Repetitive Peak Forward Surge Current... $I_{FSM}$ 8.3 ms Single ½ Sine Wave Imposed on Rated Load	.....			200	.....			Amps
Forward Voltage... $V_F$ Bridge Element @ 4.0 Amps	.....			1.1	.....			Volts
DC Reverse Current... $I_R$ @ Rated DC Blocking Voltage	$T_A = 25^\circ C$ $T_A = 100^\circ C$			.....	10	.....		$\mu$ Amps mAmps
				.....	5.0	.....		
Typical Thermal Resistance... $R_{\theta JC}$	.....			10	.....			$^\circ C/W$
Operating & Storage Temperature Range... $T_J, T_{STRG}$	.....			-55 to 150	.....			$^\circ C$



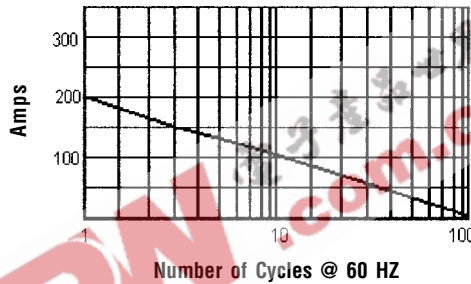
# 4.0 Amp SINGLE PHASE SILICON BRIDGE

**KBL400 . . . 410 Series**

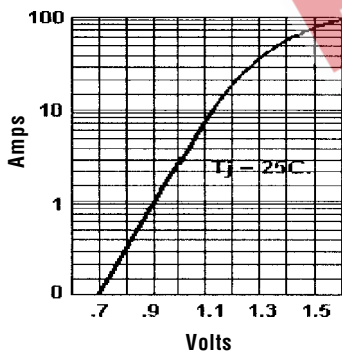
**Forward Current Derating Curve**



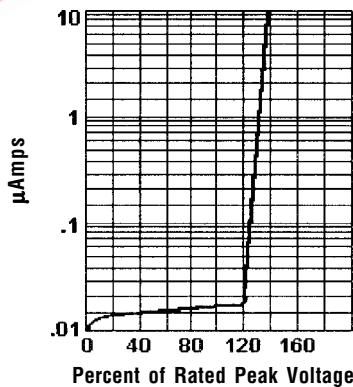
**Non-Repetitive Peak Forward Surge Current**



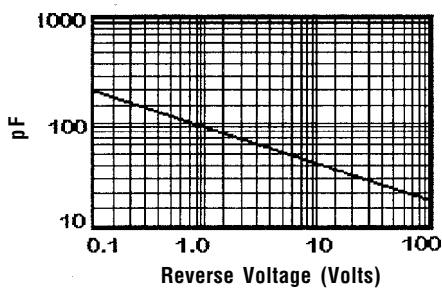
**Typical Instantaneous Forward Characteristics**



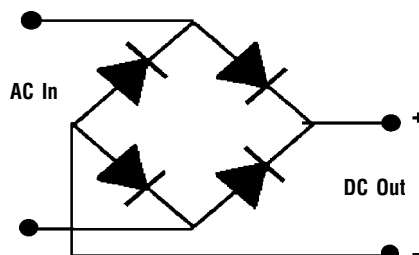
**Typical Reverse Characteristics**



**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%.