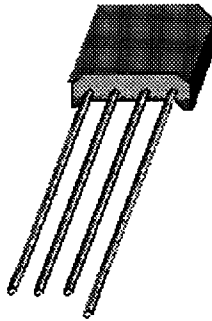


**4.0 AMP Single Phase Silicon Bridge**

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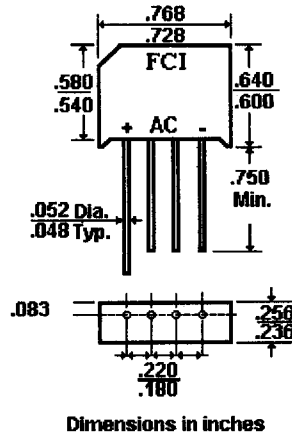
**Description**

KBL400 series



**Mechanical Dimensions**

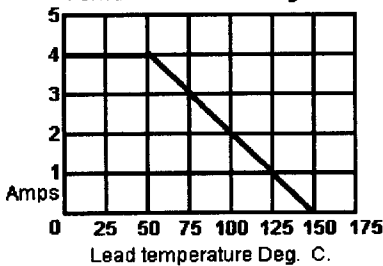
KBL400 series



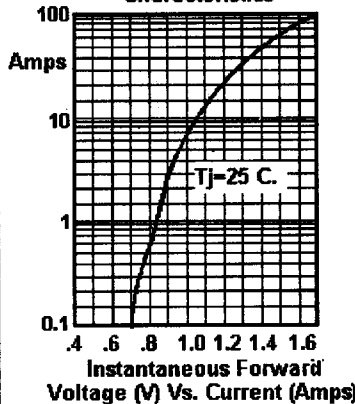
**Features**

- Compact Size
- Low Leakage
- Low Cost Construction
- 200 Amp Surge Overload Rating
- Meets or Exceeds UL Flammability Specification 94V-0

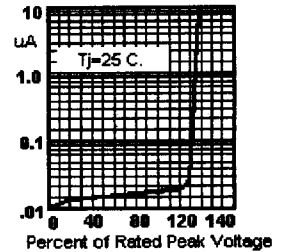
Forward Current Derating Curve



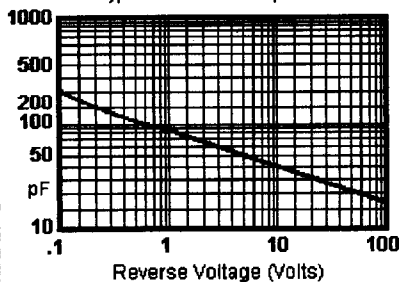
Typical Forward Characteristics



Typical Reverse Characteristics Instantaneous Reverse Current



Typical Junction Capacitance

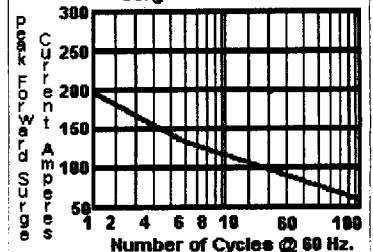


**Mechanical Data**

Mounting Position - Any

Weight: 0.2 ounces, 5.6 grams.

Maximum Non-Repetitive Surge Current



**4.0 AMP Single Phase Silicon Bridge**

Maximum Ratings and Electrical Characteristics (@25 Deg. C)

KBL400 series						
KBL400	KBL401	KBL402	KBL404	KBL405	KBL406	KBL407
50	100	200	400	600	800	1000
35	70	140	280	420	560	700
50	100	200	400	600	800	1000
-----						
Maximum Average Forward Current TA= 50 Deg C. ----- 4.0 -----						
-----						
Peak Forward Surge Current single sine-wave superimposed on rated load -----200-----						
-----						
Maximum Forward Voltage Drop Bridge Element of 4.0 Amp ----- 1.1 -----						
-----						
Maximum Reverse Current, @ Rated DC Blocking Voltage, TA=25 C. ----- 10 ----- TC=150 C. ----- 1.0 -----						
-----						
Maximum Thermal Resistance ----- 5.0 -----						
-----						
Operating Temperature ----- -55 to 150 Deg C. -----						
-----						
Storage Temperature ----- -55 to 150 Deg C. -----						

Maximum Recurrent Peak Reverse Voltage.

Maximum RMS Bridge Input Voltage.

Maximum DC Blocking Voltage.

Maximum Average Forward Current

TA= 50 Deg C.

Peak Forward Surge Current  
single sine-wave superimposed on rated load

Maximum Forward Voltage Drop

Bridge Element of 4.0 Amp

Maximum Reverse Current, @ Rated DC  
Blocking Voltage.  
TA=25 C.  
TC=150 C.

Maximum Thermal Resistance

Operating Temperature

Storage Temperature

KBL400 series  
4.0 AMP Single Phase Silicon Bridge

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%.

Electrical Description

