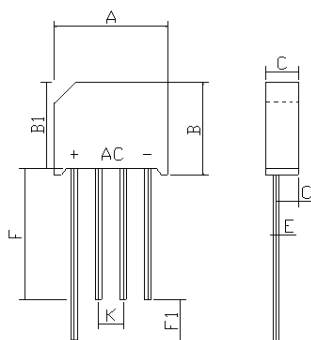


FEATURES

- Rating to 1000V PRV
- Surge overload rating to 150 Amperes peak
- Ideal for printed circuit board
- Reliable low cost construction utilizing molded plastic technique results in inexpensive product
- Lead solderable per MIL-STD-202 method 208



KBL		
Dim	Min	Max
A	18.85	19.25
B	15.70	16.10
B1	14.65	15.05
C	5.90	6.30
C1	3.95	4.25
E	Ø1.20	Ø1.40
F	19.00min	
F1	4.00min	
K	4.70	5.30
All Dimensions in mm		

Maximum Ratings (@T_A = 25°C unless otherwise specified)

Characteristic	Symbol	KBL								UNITS
		4005	401	402	403	404	406	408	410	
Maximum recurrent peak reverse voltage	V _{RRM}	50	100	200	300	400	600	800	1000	V
Maximum RMS voltage	V _{RMS}	35	70	140	210	280	420	560	700	V
Maximum DC blocking voltage	V _{DC}	50	100	200	300	400	600	800	1000	V
Maximum average forward Output current @T _A =50°C	I _{F(AV)}	4.0								A
Peak forward surge current 8.3ms single half-sine-wave superimposed on rated load	I _{FSM}	150								A
I ² t Rating for fusing @T _j =25°C	I ² t	93								A ² S

Thermal Characteristics

Characteristic	Symbol	KBL								UNITS
		4005	401	402	403	404	406	408	410	
Typical thermal resistance	R _{θJA}	19								°C/W
	R _{θJC}	0.8								
	R _{θJL}	2.4								
Operating junction temperature range	T _J	- 55 ---- + 150								°C
Storage temperature range	T _{STG}	- 55 ---- + 150								°C

Electrical Characteristics (@T_A = 25°C unless otherwise specified)

Characteristic	Symbol	KBL								UNITS
		4005	401	402	403	404	406	408	410	
Maximum instantaneous forward voltage @2.0A @4.0A	V _F	1.0								V
		1.1								
Maximum reverse current @T _A =25°C at rated DC blocking voltage @T _A =100°C	I _R	10								μ A
		1.0								

RATINGS AND CHARACTERISTICS CURVES

(TA=25°C unless otherwise noted)

FIG. 1 FORWARD CURRENT DERATING CURVE

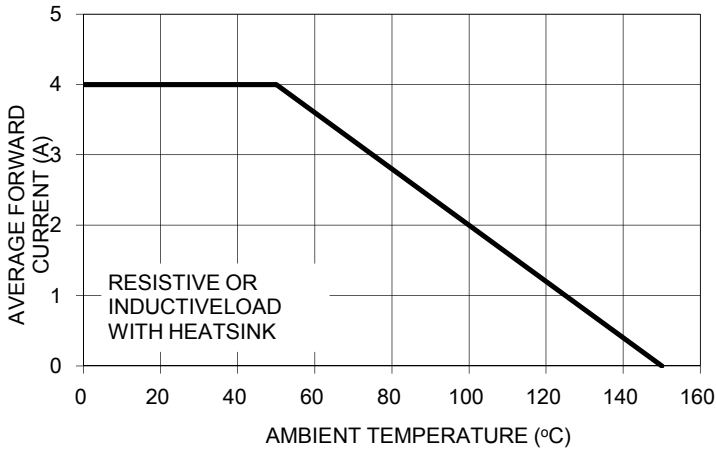


FIG. 2 TYPICAL REVERSE CHARACTERISTICS

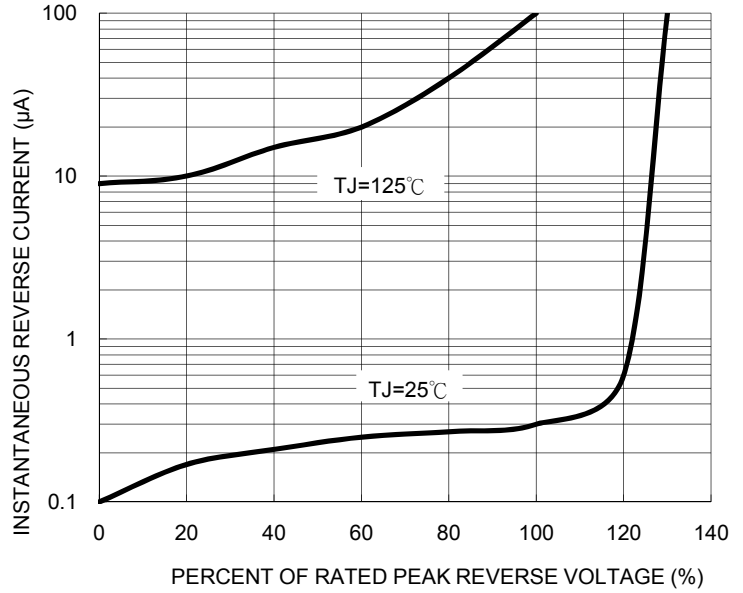


FIG. 3 MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

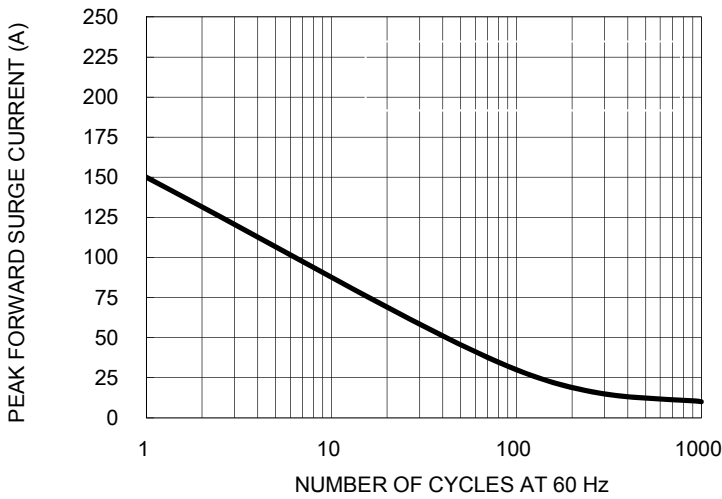
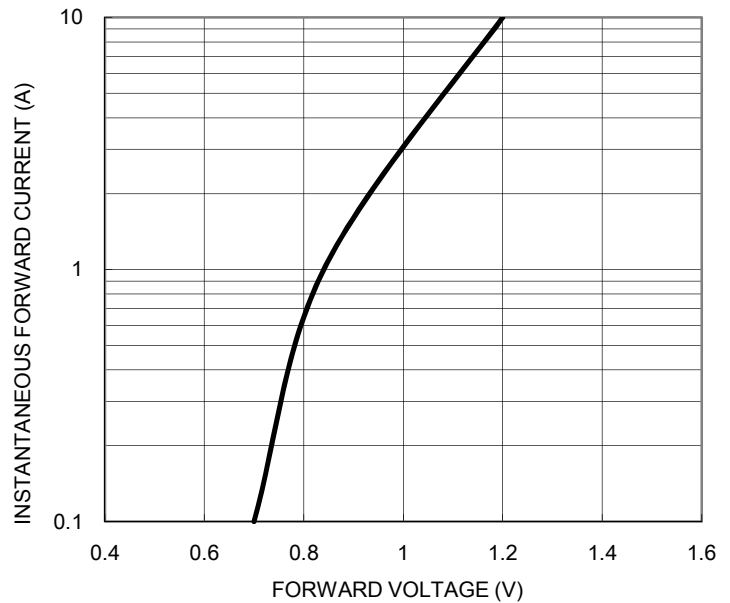


FIG. 4 TYPICAL FORWARD CHARACTERISTICS



Device	Package	Shipping
KBL4005--KBL410	KBL	500 Units/Box

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Bridge Rectifiers](#) category:

Click to view products by [LGE](#) manufacturer:

Other Similar products are found below :

[MB2510](#) [MB252](#) [MB356G](#) [MB358G](#) [MP358-BP](#) [90MT160KPBF](#) [GBJ1504-BP](#) [GBU10B-BP](#) [GBU15J-BP](#) [GBU15K-BP](#) [GBU4A-BP](#)
[GBU4D-BP](#) [GSIB680-E3/45](#) [DB101-BP](#) [DF01](#) [DF10SA-E345](#) [BU1508-E3/45](#) [BU1510-E3/45](#) [KBPC50-10S](#) [RS405GL-BP](#) [26MT120](#)
[G5SBA60-E3/51](#) [GBJ1502-BP](#) [GBU10J-BP](#) [GBU4J-BP](#) [GBU6M](#) [GBU8D-BP](#) [GBU8J-BP](#) [GSIB1520-E3/45](#) [TB102M](#) [MB1510](#) [MB6M-G](#)
[MB86](#) [TL401G](#) [MDA920A2](#) [TU602](#) [TU810](#) [MP501W-BP](#) [MP502-BP](#) [BR1005-BP](#) [BR101-BP](#) [BR84DTP204](#) [BU1010A-E3/51](#) [BU1508-](#)
[E3/51](#) [BU2006-E3/45](#) [BU2008-E3/51](#) [US15KB80R-7000](#) [KBPC25-02](#) [VS-60MT120KPBF](#) [DB105-BP](#)