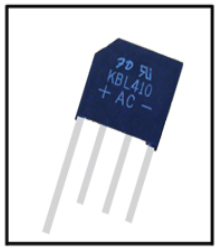
飞仕龙达
FEISHILONGDA

RD 桥式整流器 Bridge Rectifiers [KBL Series]

特性/机械性能： FEATURES/MECHANICAL DATE

- ◆ 外壳绝缘电压1500V Mixer shell insulation voltage 1500v
- ◆ 低正向压降，高可靠性 Low forward voltage drop, high reliability
- ◆ 大电流浪涌能力 In pieces big electrical surge capacity
- ◆ 广泛应用于印刷线路版 Pieces are widely used in printing lines
- ◆ 塑封材料：采用UL94V-0认可的阻燃环氧料
  Epoxy: UL94V-0 rate flame retardant
- ◆ 封　　装：模塑封装或外壳灌封
  Case: Molded plastic or shell potting
- ◆ 引　　线：电镀引线，可焊性符合MIL-STD-202E，方法208
  Lead: Axial lead solderable per MIL-STD-202,methode 208 guaranteed
- ◆ 安装位置：任意
  Mounting position:Any



KBL

最大额定值及电气特性 MAXIMUM RATINGS AND CHARACTERISTICS

测量环境温度为25℃，除非另有规定.单相半波，50HZ，阻性或感性负载，对于容性负载，电流降额20%。
Rating at 25℃ ambient temperature unless otherwise specified. Single phase，half wave，50HZ，resistive or inductive load. For capacitive load，derate current by 20%.

参数名称Papt Number	符号Symbol	KBL600	KBL601	KBL602	KBL604	KBL606	KBL608	KBL610	Unit
反向重复峰值电压 Reverse repetitive peak voltage	VRRM	50	100	200	400	600	800	1000	V
反向工作峰值电压 Peak voltage reverse work	VRWM	50	100	200	400	600	800	1000	V
最大平均有效值电压 Maximum average RMS voltage	VRMS	35	70	140	280	420	560	700	V
最大平均正向整流输出电流 Maximum average forward rectified output current	IO	6.0							A
正向不重复浪涌电流，额定负载下，单相正弦半波8.3毫秒（JEDEC方法） Peak Forward Surge Current, 8.3ms Single Half Sine-wave Superimposed On Rated Load (JEDEC method)	IFSM	200							A
最大正向压降@3.0A Maximum Instantaneous Forward Voltage at 3.0A	VF	1.0							V
最大反向直流电流 Maximum DC Reverse Current Ta = 25℃ at Rated DC Blocking Voltage Ta = 100℃	IR	10 500							μA μA
使用温度范围 Using the temperature range	TJ	-50～+125							℃
储存温度范围 Storage temperature range	TSTG	-50～+150							℃

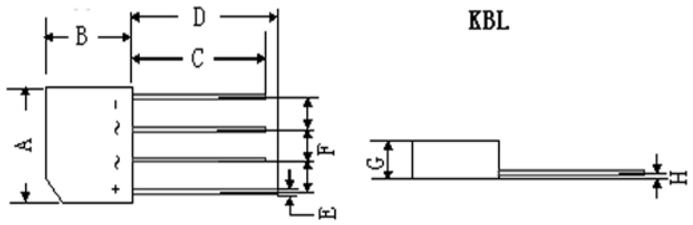
注　释 Note:

1. 在1MHz下测量，施加4.0V D.C的反向电压.
2. 热阻是指从结至周围环境的热阻，在0.375＂（9.5mm）引线长度处.

1. The measurement under the 1 MHZ, applying a reverse voltage of 4.0 V, D.C.
2. The thermal resistance refers to the thermal resistance from the junction to ambient, in 0.375 "(9.5 mm) lead length.

产品外形尺寸：

Product appearance size



DIM	INCHES		MILLIMETERS	
	MIN	MAX	MIN	MAX
A	0.37	0.77	18.5	19.6
B	0.605	0.645	15.37	16.38
C	1.0		25.4	
D	1.1		27.9	
E	0.048	0.052	1.22	1.32
F	0.190	0.210	4.83	5.33
G	0.245	0.255	6.22	6.48
H	0.06	0.08	1.52	2.0

特性曲线图：

RATINGS AND CHARACTERISTIC CURVES

FIG.1- MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT PER BRIDGE ELEMENT

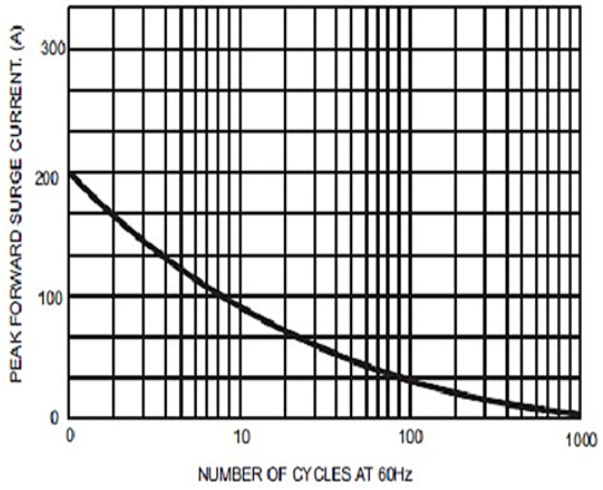


FIG.2- MAXIMUM FORWARD CURRENT DERATING CURVE

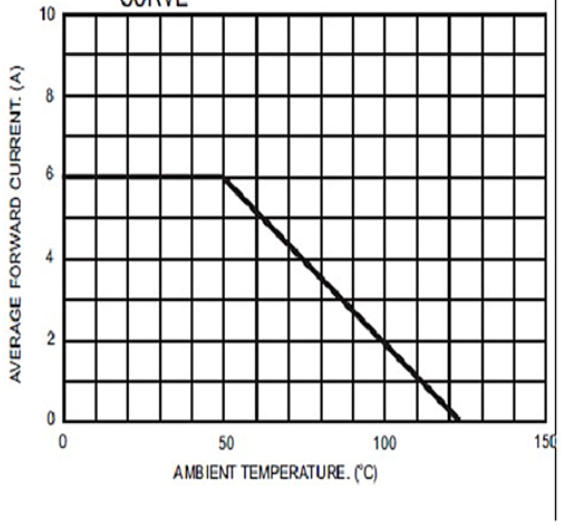


FIG.3- TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS PER BRIDGE ELEMENT

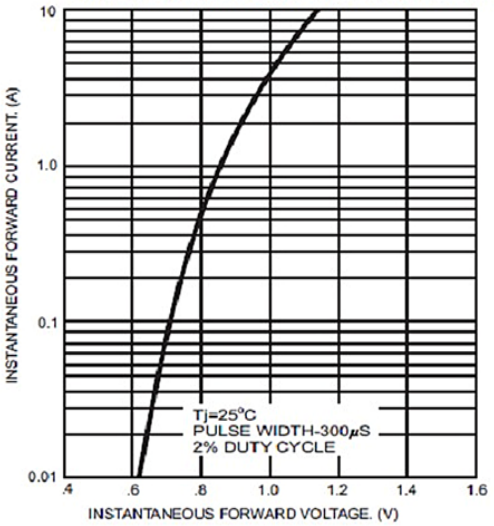


FIG.4- TYPICAL REVERSE CHARACTERISTICS PER BRIDGE ELEMENT