

毫欧电阻(Milliohm Resistor/Sampling Resistor)FL 0.5W-5W

体积小，温度系数低，无感，产品多样化
Small Size, Low T.C.R, Non-inductive & Diversification



■ 产品介绍 (Introduction)

- 分流电阻根据使用场合的不同 又被称为采样电阻，毫欧电阻，检测电阻，电流感测电阻，跳线电阻等。
According to different application occasions, named sampling resistor, milliohm resistor, detection resistor, current sensing resistor, jumper resistance, etc.
- 功率范围:0.5W-5W
Power Range:0.5W-5W
- 阻值低，最低阻值可以达到1mΩ。
Low resistance value, can reach 1mΩ.
- 根据安装要求,线径 引脚有5mm,10mm...可供选择
The wire diameter pins are 5mm, 10mm..... optional

■ 结构 (Structure)

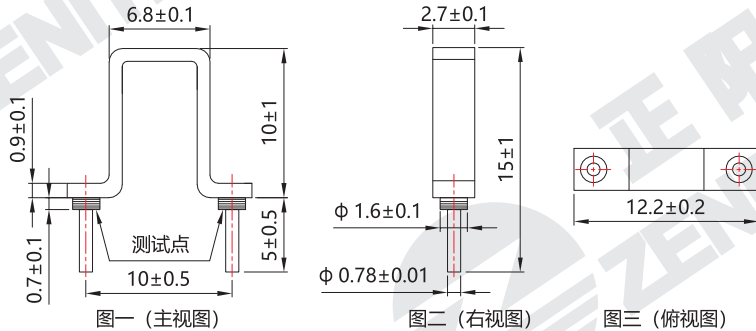
- 采用优质合金材料如康铜、锰铜、镍铬等经过特殊工艺处理，可按照客户要求制作成不同形状。
Adopts high-quality alloy materials(constantan, manganin, nickel chromium, etc) after special process treatment, different shapes upon customer requirements.
- 采用散装包装。
Bulk pack.

■ 适用范围 (Application)

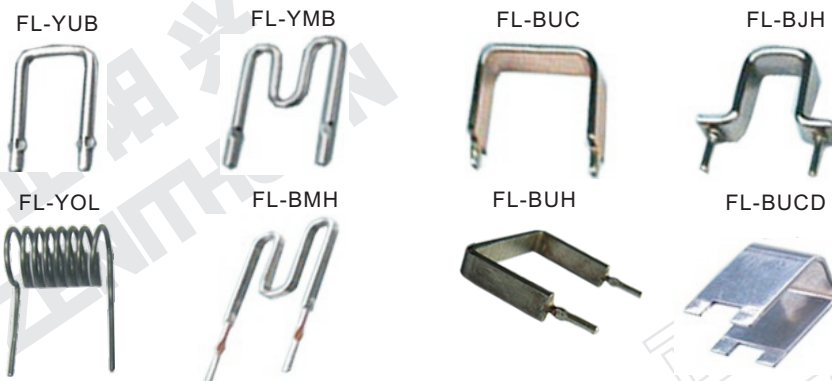
深圳市正阳兴电子的系列分流电阻生产周期为2-3周，广泛应用于电子、电器、电源、音响、家电等交直流电路中，是电子电路中最常见的理想电子元件之一。

Production Time :2-3 weeks .
Widely used in AC and DC circuits such as electronics, electrical appliances, power supply, audio and household appliances. It is one of the most common ideal electronic components in electronic circuits

■ 产品尺寸图表，以FL-BJH 3W6mΩ F为例 (FL-BJH 3W6mΩ Fas example)



■ 不同要求的实物相片参考 (Photos reference)



■ 定货示例 (How to order)

FL-BJH 3W 6mΩ F
↓ ↓ ↓ ↓
系列 功率 标称阻值 精度 (J: ±5%, G: ±2%, F: ±1%)
Series Power Nominal value Tolerance

■ 毫欧电阻性能实验参数 (Performance Characteristics)		
项目 Test	试验条件 Conditions of Test	性能要求 Testing Results
电阻值容许误差 Resistance Tolerance	测试电压 ≤ 3V, 环境温度 25°C Testing Voltage ≤ 3V, Ambient Temperature 25°C	K--J--G--F
温度系数 T.C.R	$\frac{R1-R0}{R0(T1-T0)} \times 10^6 \text{ (PPM/}^\circ\text{C)}$ R0: 常温(T0)下阻值 R0: Room Temperature(T0)Resistance R1: 常温T0+100°C(T1)下阻值 R1: Room Temperature T0+100°C(T1)Resistance	±50PPM~200PPM
额定负荷 Rated Load	40°C 额定电压, 1小时 40°C, rated voltage, 1 hour	$\Delta R \leq \pm(2\%R + 0.1\text{m}\Omega)$
短时间过负荷 Short Time Overload	2.5倍额定功率, 5秒钟; 2.5times rated power for 5s;	$\Delta R \leq \pm(2\%R + 0.1\text{m}\Omega)$
可焊性 Solderability	锡温: 235±5°C, 时间: 2±0.5秒 Tin Temp.: 235±5°C, time: 2±0.5s	焊锡面积 ≥ 95% Solder area ≥ 95%
引出端强度 Terminal Tensile Strength	拉力 10N, 10秒 10N for 10s	无脱落 No off
室温耐久性 Load Life	温度: 40±2°C, 湿度: 90%-95%, 加额定电压 1.5小时, 停止 0.5小时, 连续 1000小时. Temp.: 40±2°C, Humidity: 90%-95%, rated voltage 1.5hours 30 min "Off", continuous 1000hours	$\Delta R \leq \pm(5\%R + 0.1\text{m}\Omega)$
耐热性 Heat Resistance	锡温: 350±10°C, 时间: 3±0.5秒, 浸入深度: 距元件主体 2±0.5mm Tin Temp.: 350±10°C, time: 3±0.5s, immersion depth: distance from component body 2±0.5mm	$\Delta R \leq \pm(1\%R + 0.05\text{m}\Omega)$

■ 毫欧电阻降功耗曲线图 (Derating Curve)

