

## 大功率高压无感碳膜电阻(High Voltage Non-inductive Carbon Film Resistors)PCF/PCFG 5W-500W

**大功率,无感耐高压,抗脉冲,交直流或脉冲电路及大功率高频电路中及用作假负载和吸收电阻的理想选择**  
High Power,Non-inductive,Resistant to high voltage & pulse.Ideal choice for AC / DC or pulse circuits & high-power high-frequency circuits,as dummy loads and absorption resistors



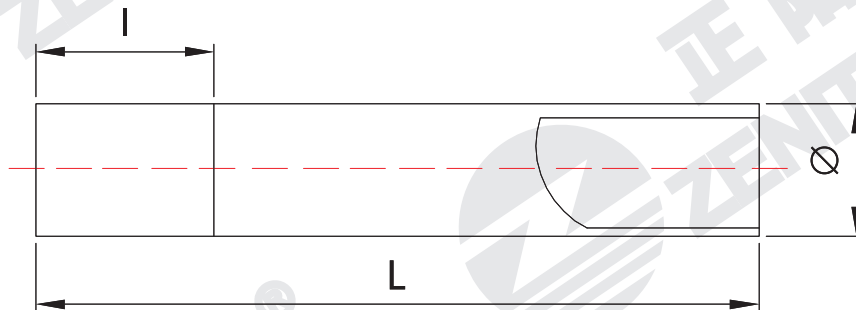
### 产品特点 (Features)

- 1.PCF和PCFG大功率无感高频碳膜电阻其外表面涂有一层特殊的玻璃涂层,具有体积小和更高的耐热性以及较大的电力容量。不同于传统的绕线型电阻器,PCF和PCFG系列电阻器可提供优越的稳定性在高频率中和瞬间电压脉涌的出色耐用性。  
The outer surface of PCF and PCFG carbon film resistor is coated with a special glass coating,which has small size,resistance to heat and larger power capacity.Different from traditional wound resistors,PCF and PCFG series resistors provide superior stability and excellent durability at high frequencies and transient voltage surges.
- 2.PCFG大功率无感高频碳膜电阻阻值范围宽、功率密度大、过负荷性能好、无感性好、抗潮湿、性能稳定;可同时满足高电压、大功率、高阻、无感等使用要求。  
PCFG carbon film resistor has wide resistance range, high power density, good overload performance,non-inductance, moisture resistance and stable performance;It can meet the requirements of high voltage, high power,high resistance and non-inductance.
- 3.功率范围:5W-500W。  
Power Range:5W-500W.
- 4.具有无感、耐高压、小体积大功率、寿命长、耐潮湿好、电性能稳定。  
No-inductance,resistance to high voltage ,small size and large power, long service life,good moisture resistance and stable electrical performance.
- 5.引出端采用镀银+卡座或帽盖的形式。  
The lead out end is in the form of silver plating +A Type or B Type.

### 适用范围 (Application)

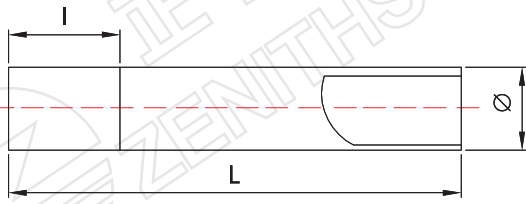
深圳市正阳兴电子的系列大功率高频/高压碳膜电阻生产周期为2-3周,应用于交直流或脉冲电路及大功率高频电路中,用作假负载和吸收电阻。  
Production Time :2-3 weeks .  
Widely used in AC / DC or pulse circuits & high-power high-frequency circuits,as dummy loads and absorption resistors

### 产品尺寸图表PCF (Dimension Chart)



| 系列<br>Series           | 功率<br>Power | 阻值范围<br>Resistance Range | 精度<br>Tolerance              | 尺寸 Dimensions(mm) |       |            | 净重(g)<br>N.W | 安装方式<br>Mounting     | 备注<br>Note  |            |      |  |
|------------------------|-------------|--------------------------|------------------------------|-------------------|-------|------------|--------------|----------------------|---|------------|------|--|
|                        |             |                          |                              | Φ                 | L     | l±2        |              |                      |   |            |      |  |
| PCF                    | 5W          | 4.7Ω-3.3KΩ               | M(±20%)<br>K(±10%)<br>J(±5%) | 6±1               | 30±2  | 6          | 5.00         | 径向夹子<br>Radial clamp | 如有特殊要求或者参数超出以上标准可协商供货<br>Any special requirements or the parameters exceed the above standards, contact us for more details . |            |      |  |
| PCF                    | 10W         | 4.7Ω-3.3KΩ               |                              | 6±1               | 50±2  | 6          | 8.00         |                      |   |            |      |  |
| PCF                    | 25W         | 4.7Ω-3.3KΩ               |                              | 12-1+2            | 50±2  | 8          | 13.00        |                      |   |            |      |  |
| PCF                    | 50W         | 4.7Ω-3.3KΩ               |                              | 12-1+2            | 100±2 | 8          | 26.00        |                      |   |            |      |  |
| PCF                    | 100W        | 2.2Ω-3.3KΩ               |                              | 20-1+3            | 100±2 | 15         | 42.00        |                      |   |            |      |  |
| PCF                    | 200W        | 3.3Ω-4.7KΩ               |                              | 20-1+3            | 200±3 | 15         | 85.00        |                      |   |            |      |  |
| PCF                    | 250W        | 15Ω-6.8KΩ                |                              | 30-1+3            | 200±3 | 20         | 125.00       |                      |   |            |      |  |
| PCF                    | 300W        | 4.7Ω-6.8KΩ               |                              | 20-1+3            | 300±3 | 20         | 125.00       |                      |   |            |      |  |
| PCF                    | 350W        | 15Ω-6.8KΩ                |                              | 30-1+3            | 300±3 | 20         | 186.00       |                      |   |            |      |  |
| PCF                    | 400W        | 10Ω-10KΩ                 |                              | 20-1+3            | 400±3 | 20         | 165.00       |                      |   |            |      |  |
| PCF                    | 500W        | 10Ω-10KΩ                 |                              | 30-1+3            | 400±3 | 20         | 247.00       |                      |   |            |      |  |
| 阻值范围(Resistance Range) |             |                          |                              | <100R             |       | 100R-1K    |              |                      |   | >1K        |      |  |
| 温度范围°C(Temp. Range)    |             |                          |                              | -40 ~ +125        | +155  | -40 ~ +125 | +155         |                      |   | -40 ~ +125 | +155 |  |
| 电阻温度系数PPM (T.C.R)      |             |                          |                              | 250               | 500   | 150        | 200          |                      |   | 250        | 500  |  |

■ 产品尺寸图表PCFG (Dimension Chart)



TYPE A:加卡座



TYPE B:帽盖式

| 系列<br>Series     | 功率<br>Power | 阻值范围<br>Resistance Range | 精度<br>Tolerance              | 尺寸 Dimensions(mm) |     |        |           | 净重(g)<br>N.W | 安装方式<br>Mounting                                 | 备注<br>Note  |
|------------------|-------------|--------------------------|------------------------------|-------------------|-----|--------|-----------|--------------|--|---|
|                  |             |                          |                              | TYPE A            |     | TYPE B |           |              |  |   |
|                  |             |                          |                              | Φ                 | L±2 | Φ±0.5  | L         |              |  |   |
| PCFG             | 100W        | 1Ω-900Ω                  | M(±20%)<br>K(±10%)<br>J(±5%) | 20±1.5            | 100 | 22     | 110-1+1.5 | 82/95        | A型 (卡座)<br>或<br>B型 (帽盖式)<br><br>A Type or B Type | 如有特殊要求或<br>者参数超出以上<br>标准可协商供货<br>Any special<br>requirements or<br>the parameters<br>exceed the<br>above standards,<br>contact us for<br>more details . |
| PCFG             | 120W        | 1Ω-10MΩ                  |                              | 25±2              | 100 | 27     | 100±1     | 105/140      |  |   |
| PCFG             | 150W        | 2.2Ω-900Ω                |                              | 20±1.5            | 150 | 22     | 160-1+1.5 | 125/140      |  |   |
| PCFG             | 180W        | 2Ω-15MΩ                  |                              | 25±2              | 150 | 27     | 160±1     | 160/220      |  |   |
| PCFG             | 200W        | 3.3Ω-900Ω                |                              | 20±1.5            | 200 | 22     | 210-1+1.5 | 165/185      |  |   |
| PCFG             | 250W        | 2.2Ω-20MΩ                |                              | 25±2              | 200 | 27     | 210±1     | 210/290      |  |   |
| PCFG             | 300W        | 3Ω-25MΩ                  |                              | 25±2              | 250 | 27     | 260±1     | 265/360      |  |   |
| PCFG             | 375W        | 3.3Ω-30MΩ                |                              | 25±2              | 300 | 27     | 310±1     | 320/430      |  |   |
| PCFG             | 500W        | 4.7Ω-50MΩ                |                              | 25±2              | 400 | 27     | 410±1     | 420/580      |  |   |
| 电阻温度系数PPM(T.C.R) |             |                          | ≤ 150                        | ≤ 250             |     | ≤ 500  |           |              |  |   |

■ 定货示例 (How to order)

