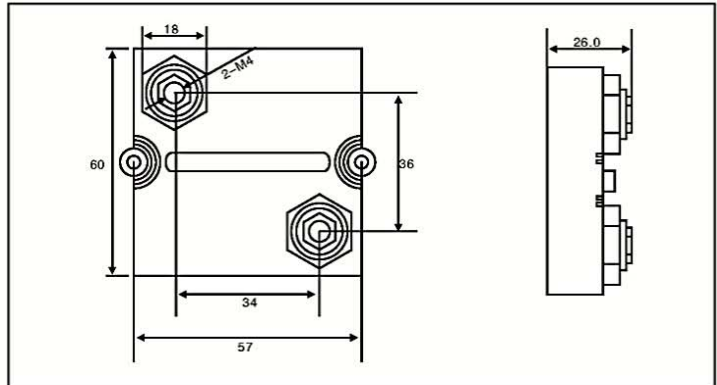


RHP600 功率型厚膜电阻器

high power thick film resistors



■ 构造图 Construction(mm)



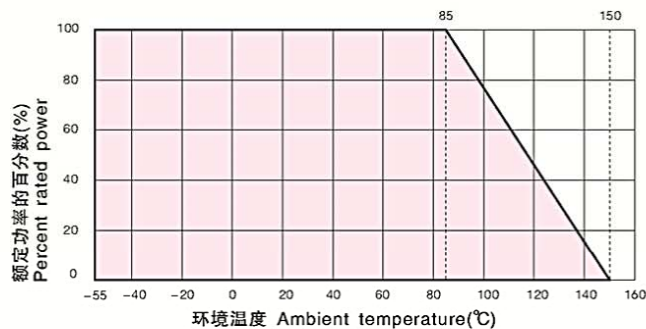
■ 产品特点 Features

- 无感设计,阻值范围宽
- 大功率(底板中心温度 $\leq 85^{\circ}\text{C}$ 时功率为600W)
- 绝缘耐压最高12KV
- 引出端安装M4螺钉最大扭矩: 2Nm
- 散热片安装M4螺钉最大扭矩: 2Nm
- 电感 $< 80\text{nH}$
- 绝缘电阻 500V, 10^4M
- Non-inductive, wide resistance range
- High power (the temp of floor center less than 85°C , the power is 600W)
- High voltage withstanding 12KV
- Contact terminal: M4 screw, Max. torque 2Nm
- Resistor installation: M4 screw, Max. torque 2Nm
- Inductance $< 80\text{nH}$
- Insulation resistance 500V, 10^4M

■ 应用范围 Applications

- 电源控制设备
- 马达控制
- 变速驱动, 变频器
- 机器人系统
- Voltage power supply control equipment
- Motor controlling
- Shift drive, Frequency Converter
- Robot system

■ 降功耗曲线 Derating Curve



RHP600 功率型厚膜电阻器

high power thick film resistors



■ 技术说明 Technical Specifications

| 型号 Type | 额定功率 (85℃) Rating power | 阻值范围 Resistance range | 温度系数 TCR | 精度 Precision | 最大工作电压 Max work Voltage | 耐压 Voltage Withstanding | 工作温度 Working temp |
|------------|-------------------------------|-----------------------------|-------------|-----------------|-------------------------------|-------------------------------|----------------------|
| RHP | 600W | R<1Ω | ±500PPm | 10% | 5KV | 6KV 12KV | -55℃-- +155℃ |
| | | 1Ω < R < 10Ω | ±300PPm | 5% | | | |
| | | 10Ω < R | ±150PPm | 5% | | | |

- 所示功率需加散热器
- The condition of the above power is needed to mount a heatsink.
- 更高参数可协商供货
- Special specifications can be supplied in consultation with customers.

■ 特征参数 Performance

| 试验项目 TEST ITEM | 性能要求 SPECIFICATIONS | 试验方法 TEST METHOD GB/T5729-2003 IEC60115-1:2001 |
|---------------------------------|--|---|
| 短时间过载 Short time overload | 1000W, 10秒 1000W 10s $\Delta R \leq \pm (0.3\%R + 0.05\Omega)$ | 4.13 |
| 快速温度变化 Rapid temperature change | $\Delta R \leq \pm (0.5\%R + 0.05\Omega)$ | 4.19 |
| 气候顺序 Temperature cycling | $\Delta R \leq \pm (1\%R + 0.05\Omega)$ | 4.23 |
| 稳态湿热 Humidity (steady States) | $\Delta R \leq \pm (0.5\%R + 0.05\Omega)$ | 4.24 |
| 寿命 Load life | $\Delta R \leq \pm (0.5\%R + 0.05\Omega)$ | 4.25.2 |