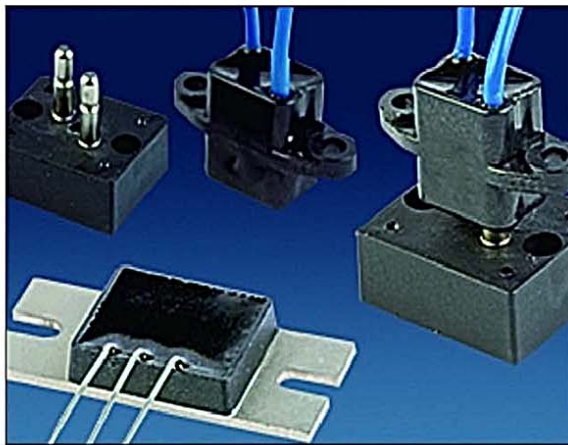


RTH系列

功率型厚膜加热电阻

THICK FILM HEATING RESISTORS

SERIES RTH



应用领域 Applications

- 汽车SCR 减排系统
- 变频器
- 加热器
- 自动控制

- SCR for energy saving and emission reduction of vehicles
- Frequency converters
- Heater
- Automatic control system

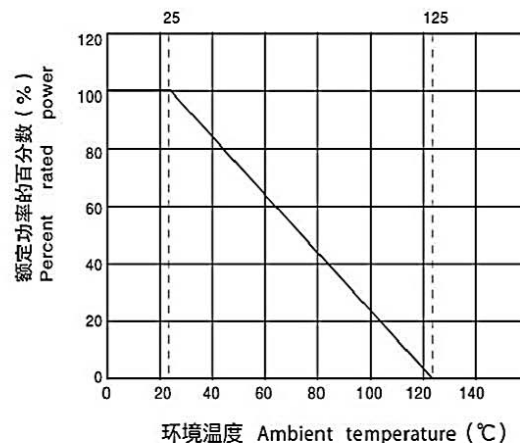
特点 Characteristics

- | | |
|-----------------|----------------------------|
| ● 高精度 | ● High precision |
| ● 大功率 | ● High power rating |
| ● 无感设计 | ● Non inductive |
| ● 高稳定 | ● High stability |
| ● 阻值范围宽 | ● Wide ohmic value range |
| ● 安装方便 | ● Easy mounting |
| ● 温度范围 | ● Temp range -40°C ~ 130°C |
| ● 结构尺寸可根据客户需要设计 | ● Structure free |

技术标准 Technical Standard

Q/BDS 024-2017 RTH型加热固定电阻器详细规范

降功耗曲线 Derating Curve



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■ 技术参数 SPECIAL FEATURES

型号 TYPE	RTH
功率Power rating(25°C)	50W,100W,150W
阻值范围Resistance value range	0.1Ω-1MΩ
精度Tolerance	±0.5%;±1%;±5%;±10%
温度系数(25°C~85°C) TCR	±50ppm/°C; ±100ppm/°C; ±150ppm/°C; ±250ppm/°C
最大工作电压Max. working voltage	1000V
温度范围Temperature range	-55°C-125°C
气候类别Climatic category	55/125/56

- 特殊参数可协商供货。
- Special specifications can be supplied in consultation with customers.
- 所示功率需加装散热器,在无散热器的情况下功率为5W。
- The condition of the above power is needed to mount a heatsink if they has no heatsinks,the power only be 5W.

■ 特性 SPECIATION

试验项目TEST ITEM	试验方法 TEST METHOD	性能要求 SPECIFICATIONS
功率测试Rated power test	施加额定功率直流电压,30分钟 Rated power(DC),30min	$\Delta R \leq \pm 0.25\%R$,表面温度低于100°C $\Delta R \leq \pm 0.25\%R$,surface temp<100°C
短时间过负荷Short time overload	施加1.5倍额定功率直流电压,30秒 1.5 times rated power (DC),30s	$\Delta R \leq \pm 0.5\%R$,结构无损伤 $\Delta R \leq \pm 0.5\%R$,structure without broken
温度冲击Thermal shock	-55°C/125°C,30分钟,5个循环 -55°C/125°C,30min,5cycles	$\Delta R \leq \pm 0.3\%R$,结构无损伤 $\Delta R \leq \pm 0.3\%R$,structure without broken
绝缘电阻Insulation resistance	500V,1min	> 10G
寿命Load life	施加额定功率1000h Rated power (DC) for 1000h	$\Delta R \leq 1\%R$,结构无损伤 $\Delta R \leq \pm 1\%R$,structure without broken