

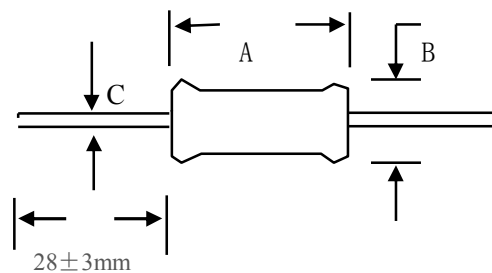
RI80c

柱状高阻高压电阻器

CYLINDRICAL HIGH OHM AND VOLTAGE RESISTOR

特点 FEATURES

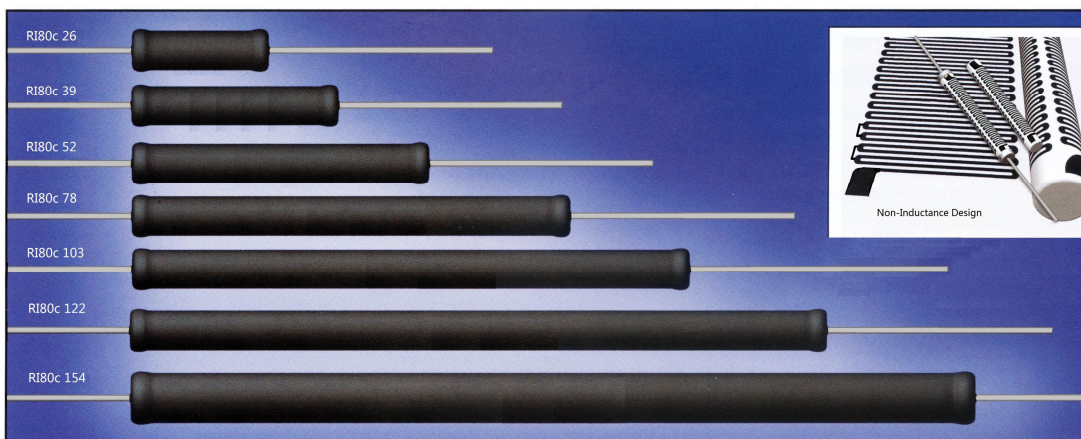
- No inductance 无感设计
- Close tolerance and TCR 高精度，低温度系数
- Wider resistance value 阻值范围宽
- High voltage applied 高耐压



应用范围 APPLICATION

SML 公司的 RI80c 电阻适用于一切正常高压高阻应用场所直至高可靠的 X 射线系统。特别应用于电子电力系统，例如高压发生器、精密高压电源、精密分压器、电子显微镜、高精度 CRT 显示器、汽车电子等。

SML Type RI80c resistors are suited for all high value and voltage applications from general purpose to highest reliability X-ray systems. Especially for electronical and electrical power system such as high voltage generator, precision high voltage power resource, precision divider. electron microscopes , X-rays, high resolution CRT displays ,Automobile Electronic



| RI80c | Profession(专业级) Pf | Precision(精密级) Pc | Power (功率级) Pw |
|------------------|--|--------------------------------|--|
| 特点 Feature | 适合一般应用, 阻值范围宽, 耐压高 Wide Resistance value | 适合电压取样, 温度系数 好 Close TCR | 适合小体积大功率, 功率密 度大 Higher Power with same size |
| 精度 Tolerance | ±1% ±5% ±10% | ±1% | ±5% ±10% |
| 温度系数 TCR | ±100ppm/°C | ±25ppm/°C ±50ppm/°C | ±100ppm/°C |
| 稳定度 Stability | ±0.5% | ±0.25% | ±0.5% |

Close tolerance and TCR could be available 更好精度和温度系数电阻可协商供货

RI80c

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CYLINDRICAL HIGH OHM AND VOLTAGE RESISTOR

| | | | | | | | | | | | |
|--------------------|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| RI80c | | 20 | 26 | 32 | 39 | 52 | 78 | 103 | 122 | 154 | |
| A | | 20.20 | 26.90 | 33.00 | 39.50 | 52.10 | 77.70 | 102.9 | 123.7 | 153.7 | |
| B | | 8.20 | 8.20 | 8.20 | 8.20 | 8.20 | 8.20 | 8.20 | 8.20 | 8.20 | |
| C | | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | |
| Rated Power (w) | Pf | 2.5 | 3.7 | 4.5 | 5.2 | 7.5 | 11 | 12 | 15 | 20 | |
| | Pc | - | 1.0 | - | 1.5 | 2.0 | 3.0 | 4.0 | 5.0 | 6.0 | |
| | Pw | 5 | 7 | 9 | 11 | 15 | 20 | 25 | 30 | 50 | |
| Work. Voltage (KV) | Pf | 4.8 | 6.4 | 8.0 | 12.8 | 16 | 24 | 32 | 40 | 45 | |
| | Pc | - | 4.0 | - | 6.0 | 10 | 15 | 20 | 25 | 30 | |
| | Pw | 4.8 | 6.4 | 8.0 | 12.8 | 16 | 24 | 32 | 40 | 45 | |
| Value Range | Pf | Min | 200 | 250 | 300 | 400 | 500 | 900 | 1K2 | 1K5 | 2K |
| | | Max | 1G | 1G | 1.5G | 1.5G | 2.5G | 4G | 6G | 8G | 10G |
| | Pc | Min | - | 100K | - | 150K | 200K | 300K | 400K | 500K | 600K |
| | | Max | - | 250M | - | 400M | 500M | 700M | 1G | 1G | 1G |
| | Pw | Min | 200 | 250 | 300 | 400 | 500 | 900 | 1K2 | 1K5 | 2K |
| | | Max | 1G | 1G | 1.5G | 1.5G | 2.5G | 4G | 6G | 8G | 10G |

特性 SPECIFICATION

寿命 Load life : 125°C 1000h

绝缘电阻 Insulate resistance : 10G Ω

涂覆层 Encapsulation : 高温硅树脂 High temperature silicone conformal

过载 Overload: 5s ΔR ≤ 0.5%

Profession and Precision: 5Pe(≤1.5Max. operating voltage)

Power: 1.5Pe

热冲击 Thermal shock: ΔR ≤ 0.25%

耐潮性能 Moisture resistance: ΔR ≤ 0.4%

降功耗曲线

Derating-curve

