

ULTRA HIGH WORKING VOLTAGE, HIGH OHM VALUE

模压型超高工作电压

METAL GLAZE FILM RESISTORS

金属釉膜电阻器

Quick reference data

技术参数

| | | | | | | |
|---|-----------|---|---------------------|----------------------|---------------------|--------------|
| Thunder's type | | RGE74 | RGE75 | RGE76 | | 雷城型号 |
| DIN-44061 type | | 0414 | 0617 | 0719 | | 德国工业标准型号 |
| VISHAY' type | | VR37 | VR68 | | | Vishay 公司型号 |
| CADDOCK' type | | MG660 | MG710 | MG721 | | Caddock 公司型号 |
| PRP' type | | HV1/2 | HV 1 | HV 2 | | PRP 公司型号 |
| HYMEG' type | | HA-60 | HA-65 | HA-70 | | HYMEG 公司型号 |
| TEPRO' type | | TVH.5 | TVH.75 | | | TEPRO 公司型号 |
| IRC' type | | CGH-1/2/RG20 | CGH-1 | CGH-2 | | IRC/TT 公司型号 |
| OHMITE' type | | MOX300 | | | | OHMITE 公司型号 |
| EBG' type | | RSX1/10 | OGP 13 | OGP 26 | | EBG 公司型号 |
| Resistance range | | 1kΩ to 1GΩ | 1kΩ to 1GΩ | 1kΩ to 2GΩ | | 阻值范围 |
| Resistance tolerance | | D(±0.5%); F(±1%); J(±5.0%); K(±10%) | | | | 精度 |
| Temperature coefficient | | ±25ppm/°C; ±50ppm/°C; ±100ppm/°C; ±200ppm/°C | | | | 温度系数 |
| Rated dissipation, P ₇₀ | | 0.50W | 1.0W | 2.0W | | 70℃以下功率 |
| Max. operating voltage U _{max} | | 3500V _{DC} | 7000V _{DC} | 10000V _{DC} | U _{max} | 最大工作电压 |
| Max. short time over load voltage | | 5000V _{DC} | 7000V _{DC} | 10000V _{DC} | | 最大短时间过载电压 |
| | | U=2.5 × √(P ₇₀ × R) ≤ 2U _{max} ; 5s on and 45s off, 10 cycles; ΔR/R _{max} ≤ 0.5% | | | | |
| Operating Temperature range | | | | | | 工作温度范围 |
| Insulation voltage | | 1000V | 1000V | 2000V | | 绝缘耐压 |
| Insulation resistance | | > 1GΩ | | | | 绝缘阻抗 |
| Endurance | | 50kΩ to 22M | 50kΩ to 22M | 50kΩ to 22M | | 耐久性实验 |
| Max, resistance change at P ₇₀ | | ≤ 1.5% | | | | 最大允许阻值变化量 |
| ΔR/R _{max} after 1000h | | | | | ΔR/R _{max} | 1000小时后 |
| ΔR/R _{max} after 8000h | | ≤ 2.5% | | | | 8000小时后 |
| ΔR/R _{max} after 8000h | | | | | ΔR/R _{max} | 8000小时后 |
| Damp heat, steady state | | 0.01xP ₇₀ , less than 100V _{DC} ; 40±2°C; 56 days, 90~95% RH; ΔR/R _{max} ≤ 1.5% | | | | 稳态湿热 |
| Rapid change of temperature | | 30 minutes at -55°C; 30 minutes at +155°C; 5 cycles; ΔR/R _{max} ≤ 0.5% | | | | 温度快速变化 |
| Dimension | Max. (mm) | L=10, D=3.7 | L=14.8, D=5.2 | L=18.3, D=6.5 | Max. (mm) | 外型尺寸 |
| | ±0.10(mm) | d=0.6 | d=0.8 | d=0.8 | ±0.10(mm) | |
| Outlook | | | | | | 外观 |
| | | | | | | |
| | | | | | | |
| Derating curve | | | | | | 降功率曲线 |

Unless otherwise specified, all values are tested at the following condition: Temperature: 21 °C to 25 °C; Relative humidity: 45% to 60%

标准测量环境温度温度为 21°C ~ 25°C; 相对湿度为: 45% ~ 60%

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