RSL Water-Cooled High-Frequency Power Resistors

Product Overview



Resistive film: metal oxide, full coverage

Core: ceramic rod, Al2O3 content >95%

Power range: 5 kW

Resistance range: 5 Ω~1 kΩ

Resistance tolerance: ±5%~±10%

Temperature coefficient: ±100~±400 ppm/°C

Compact size, good overload capability, low inductance and excellent high-frequency performance. Custom specifications are available on request.

Technical Standards

GJB3017-97 · QJB/QH1619-2007

Construction and Dimensions



Model	Rated power (W)	Resistance range (Ω)	Tolerance	TCR (ppm/°C)	D × L (mm)
RSL-I	5000	5~1000	±5%~±10%	±100~±400 (25~125°C)	46 × (182±1)

Installation and Cooling

1. Install vertically only. Provide a water inlet and a water outlet.
2. Cooling-water flow must be at least 1 L/min per 1 kW of dissipated power.
3. Original derated-operation example: 5 kW ≥5 L/min.
4. In a recirculating system, cool the water before reuse. Specifications outside the stated range can be customized.

Note: The source does not define inlet/outlet direction. Its general flow requirement and staged examples are both retained.