



The attenuator is designed for RF power level adjustment. SYMAIR RF attenuators have compact dimensions, stable power handling and high reliability for long-term applications. Additionally, SYMAIR can offer low PIM models for variable PIM value requirements.

**XX refers to the optional attenuation values.*

General Specifications

| | |
|---------------------|--------------------|
| Product Type | RF Attenuator |
| Frequency Band | DC-6000 MHz |
| Power Handling | 30 Watts |
| Connector Interface | N-male to N-female |

Electrical Specifications

| | | | | | | | |
|----------------|--|---------|---------|---------|---------|---------|---------|
| Frequency Band | DC-6000 MHz | | | | | | |
| Return Loss | ≤-20.8 dB for DC-3000MHz ≤-19.1 dB for 3000-6000MHz | | | | | | |
| VSWR | ≤1.20 for DC-3000MHz ≤1.25 for 3000-6000MHz | | | | | | |
| Attenuation | 1-9 dB | 10 dB | 15 dB | 20 dB | 25 dB | 30 dB | 40 dB |
| Accuracy | ±0.5 dB | ±0.5 dB | ±0.5 dB | ±0.6 dB | ±0.8 dB | ±0.8 dB | ±1.0 dB |
| Power Handling | 30 watts | | | | | | |
| Impedance | 50 ohms | | | | | | |

Material Specifications

| | | |
|-----------|-----------------------------------|----------------------|
| Cavity | Cavity Enclosure | Aluminum alloy |
| | Cavity Outer Surface Treatment | Conductive oxidation |
| Connector | Cavity Inner Surface Treatment | Cu3Ag1 |
| | Inner Conductor | Aluminum alloy |
| | Inner Conductor Surface Treatment | Ag1 |
| | Outer Conductor | Brass |
| | Outer Conductor Surface Treatment | Tri-metal CuSnZn3 |
| | Inner Conductor | Brass |
| | Inner Conductor Surface Treatment | Ag1 |
| | Insulator | PTFE/TPX |
| | Gasket | Silicon rubber |

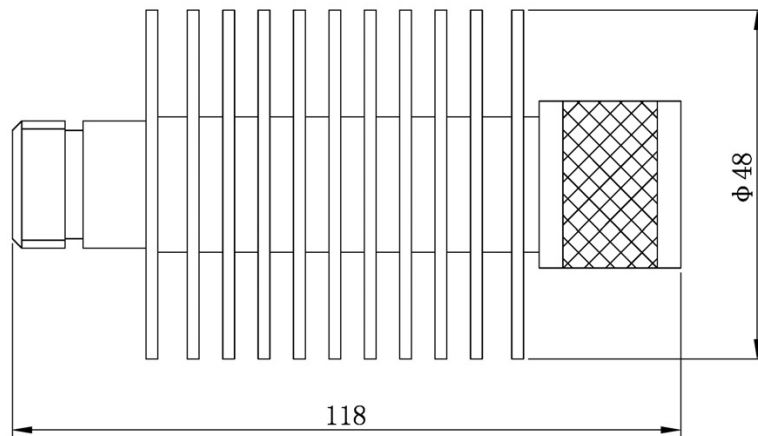
Mechanical Specifications

| | |
|-----------------|--|
| Dimension | φ48×118 mm (Excluding connectors and brackets) |
| Weight | 350 g |
| Connectors Type | N male to N female |
| Mounting | Plane |
| Packing | 1pcs in box |

Environmental Specifications

| | |
|-----------------------|------------------|
| Operating Temperature | -40 °C to +65 °C |
| Storage Temperature | -45 °C to +85 °C |
| Relative Humidity | 5% - 95% |
| Application | Indoor |

Outline Drawing



Regulatory Compliances

| | |
|---------------|-----------|
| ISO 9001:2015 | Compliant |
| ROHS | Compliant |
| China RoHS | Compliant |
| UK RoHS | Compliant |
| REACH | Compliant |
| EU/CE | Compliant |

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