



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-4000 MHz        |
| Power Handling      | 200 Watts          |
| Connector Interface | N-male to N-female |

## Electrical Specifications

|                |  |         |         |         |         |         |         |
|----------------|--|---------|---------|---------|---------|---------|---------|
| Frequency Band | DC-4000 MHz  |         |         |         |         |         |         |
| Return Loss    | ≤-17.7 dB for DC-3000MHz<br>≤-16.5 dB for 3000-4000MHz |         |         |         |         |         |         |
| VSWR           | ≤1.30 for DC-3000MHz<br>≤1.35 for 3000-4000MHz         |         |         |         |         |         |         |
| Attenuation    | 1-9 dB   | 10 dB   | 15 dB   | 20 dB   | 25 dB   | 30 dB   | 40 dB   |
| Accuracy       | ±0.6 dB  | ±0.5 dB | ±0.5 dB | ±0.6 dB | ±0.6 dB | ±0.8 dB | ±1.0 dB |
| Power Handling | 200 watts  |         |         |         |         |         |         |
| Impedance      | 50 ohms  |         |         |         |         |         |         |

## Material Specifications

|           |                                   |                      |
|-----------|-----------------------------------|----------------------|
| Cavity    | Cavity Enclosure                  | Aluminum alloy       |
|           | Cavity Outer Surface Treatment    | Conductive oxidation |
|           | Cavity Inner Surface Treatment    | Cu3Ag1               |
|           | Inner Conductor                   | Aluminum alloy       |
| Connector | 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       |

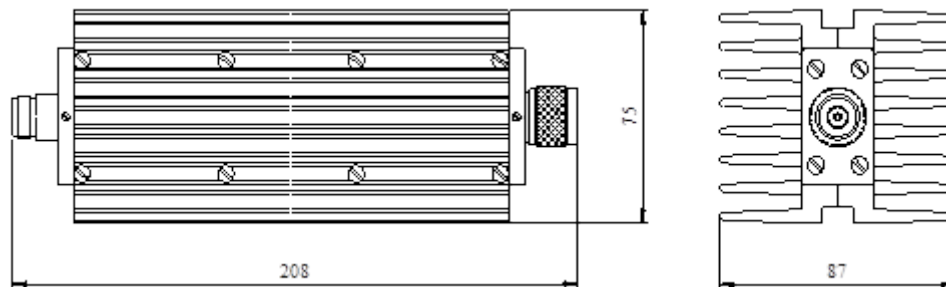
## Mechanical Specifications

|                 |  |
|-----------------|--|
| Dimension       | 75×87×208 mm (Excluding connectors and brackets) |
| Weight          | 550 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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