

RF Attenuator 5903_N-50-300/199_NE

Description

Standard Attenuator, High Power



Product Configuration

Connector (side 1 / side 2) N plug (male) / N jack (female)
 Interface Standards IEC 60169-16_MIL-STD-348A/304_CECC 22210

Technical Data

Electrical Data

| | | | |
|-----------------------------|--|------------|----------|
| Nominal impedance | 50 Ω | | |
| Nominal attenuation | 3 dB | | |
| Frequency range | DC to 4 GHz | | |
| Frequency sub range (GHz) | DC to 1.5 | 1.5 to 2.5 | 2.5 to 4 |
| Attenuation deviation (±dB) | 0.5 | 0.5 | 0.75 |
| VSWR max. | 1.15 | 1.25 | 1.35 |
| Power rating | 300 Watt average power up to 25 °C ambient temperature, linearly derated to 60 Watt at 125 °C ambient temperature. Free airflow convection necessary to ensure power performances. Unit is unidirectional, therefore don't swap input with output (note: input is usually on the male side, otherwise follow instructions on the heatsink) 2000 Watt peak power, 5 μs pulse, 0.05 % duty cycle | | |

Mechanical Data

Weight 2.64 kg

Environmental Data

Operating temperature -54 °C to 125 °C
 2011/65/EC (RoHS) compliant

Material Data

| Piece Part (side 1) | Material | Surface Plating |
|---------------------|--------------------------------|--|
| Centre contact | Copper Beryllium Alloy | Gold Plating (without Nickel underplating) |
| Outer contact | Stainless Steel | Passivated (Plating) |
| Body | Aluminium | Anodized |
| Insulator | PTFE (Polytetrafluoroethylene) | |
| Coupling nut | Stainless Steel | Passivated (Plating) |
| Piece Part (side2) | Material | Surface Plating |
| Centre contact | Copper Beryllium Alloy | Gold Plating (without Nickel underplating) |
| Outer contact | Stainless Steel | Passivated (Plating) |
| Body | Aluminium | Anodized |
| Insulator | PTFE (Polytetrafluoroethylene) | |

Related Documents

Outline drawing DOU-00118100

Ordering Information

Single packaging 5903_N-50-300/199_NE

Additional Information

Remarks

Free airflow convection necessary to ensure power performances

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