Data Sheet

HUBER+SUHNER

RF Attenuator 5903_N-50-1/133_N 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

 $\begin{array}{lll} \mbox{Nominal impedance} & 50 \ \Omega \\ \mbox{Nominal attenuation} & 3 \ \mbox{dB} \\ \mbox{Frequency range} & DC \ \mbox{to} \ \ 6 \ \mbox{GHz} \\ \mbox{Attenuation deviation (<math>\pm \mbox{dB}$)} & 0.5 \\ \end{array}

VSWR max. 1.25

Power rating 100 Watt average power up to 25 °C ambient temperature, linearly derated to 10 Watt at 100 °C ambient

temperature.

5 kW peak power, 5 µs pulse, 0.5 % duty cycle

Mechanical Data

Weight 1.450 kg

Environmental Data

Operating temperature -55 °C to 125 °C 2011/65/EU (RoHS - including 2015/863 and 2017/2102) compliant

Material Data

| Piece Part (side 1) | Material | Surface Plating |
|-----------------------------------|---------------------------------|--------------------------------|
| Centre contact | Brass | Gold Plating |
| Outer contact | Brass | Tri-metal Plating |
| Body | Brass | Tri-metal Plating |
| Insulator | PTFE (Polytetrafluoroethylene) | |
| Body/Heat Sink | Aluminium | Anodized |
| | | |
| Piece Part (side2) | Material | Surface Plating |
| Piece Part (side2) Centre contact | Material Copper Beryllium Alloy | Surface Plating Gold Plating |
| | | |
| Centre contact | Copper Beryllium Alloy | Gold Plating |
| Centre contact Outer contact | Copper Beryllium Alloy Brass | Gold Plating Tri-metal Plating |

Related Documents

Outline drawing DOU-01168092

Ordering Information

85177211 5903_N-50-1/133_NE

HUBER+SUHNER is certified according to ISO 9001, ISO 14001, ISO/TS 16949 and IRIS

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Document: 5903_N-50-1/133_NE / date of publication: 18.11.2022 / uncontrolled copy

Page 1/1

Uncontrolled copy DOC-0001175790 / B / Released Date: 22-Nov-2022