# **Data Sheet**

# RF Attenuator 5903.19.0002

# HUBER+SUHNER Excellence in Connectivity Solutions

### **Description**

Standard Attenuator, Medium Power



# **Product Configuration**

Connector (side 1 / side 2)

SMA plug (male) / SMA jack (female)

Interface Standards IEC 60169-15\_MIL-STD-348A/310\_CECC 22110

#### **Technical Data**

#### **Electrical Data**

 $\begin{array}{lll} \mbox{Nominal impedance} & 50 \ \Omega \\ \mbox{Nominal attenuation} & 3 \ \mbox{dB} \\ \mbox{Frequency range} & \mbox{DC to 6 GHz} \end{array}$ 

 Frequency sub range (GHz)
 DC to 2
 2 to 6

 Attenuation deviation (±dB)
 0.2
 0.3

 VSWR max.
 1.1
 1.25

Power rating 25 Watt average power up to 30 °C ambient temperature, linearly derated to 0 Watt at 130 °C ambient

temperature.
Convection cooled.

500 Watt peak power, 5  $\mu$ s pulse, 0.05 % duty cycle

**Mechanical Data** 

Weight 0.206 kg

**Environmental Data** 

Operating temperature -55 °C to 130 °C 2011/65/EU (RoHS) compliant

## **Material Data**

Piece Part (side 1)	Material	Surface Plating
Centre contact	Copper Beryllium Alloy	Gold Plating
Outer contact	Copper Beryllium Alloy	SUCOPLATE (R) Plating
Body	Aluminium	Anodized
Insulator	PFA / PTFE	
Coupling nut	Bronze	SUCOPLATE (R) Plating
Piece Part (side2)	Material	Surface Plating
Centre contact	Copper Beryllium Alloy	Gold Plating
Outer contact	Copper Beryllium Alloy	SUCOPLATE (R) Plating
Body	Aluminium	Anodized
Insulator	PFA / PTFE	

#### **Related Documents**

Outline drawing DOU-00005321

# **Ordering Information**

Single packaging 5903.19.0002

Important note WARNING Beryllia Ceramic Inside! DO NOT sand, scrap or tamper with. Dispose in accordance with all

relevant regulations

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