#### **Data Sheet**

## RF Attenuator 6603\_SMA-50-1/199\_N

# HUBER+SUHNER Excellence in Connectivity Solutions

#### **Description**

Standard Attenuator, Low Power



#### **Product Configuration**

Connector (side 1 / side 2) Interface Standards SMA plug (male) / SMA jack (female) IEC 60169-15\_MIL-STD-348A/310\_CECC 22110

#### **Technical Data**

**Electrical Data** 

 $\begin{array}{ll} \mbox{Nominal impedance} & \mbox{50} \ \Omega \\ \mbox{Nominal attenuation} & \mbox{3} \ \mbox{dB} \end{array}$ 

Frequency range DC to 18 GHz

 Frequency sub range (GHz)
 DC to 4
 4 to 8
 8 to 12.4
 12.4 to 18

 Attenuation deviation (±dB)
 0.3
 0.3
 0.3
 0.3

 VSWR max.
 1.15
 1.2
 1.25
 1.35

Power rating 2 Watt average power up to 25 °C ambient temperature, linearly derated to 0.5 Watt at 125 °C ambient

temperature.

3 µs pulse, 0.05 % duty cycle

**Mechanical Data** 

Weight 0.004 kg

**Environmental Data** 

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

#### **Material Data**

Piece Part (side 1)	Material	Surface Plating
Centre contact	Copper Beryllium Alloy	Gold Plating
Outer contact	Stainless Steel	Passivated (Plating)
Body	Stainless Steel	Passivated (Plating)
Insulator	PTFE (Polytetrafluoroethylene)	
Coupling nut	Stainless Steel	Passivated (Plating)
Piece Part (side2)	Material	Surface Plating
Centre contact	Copper Beryllium Alloy	Gold Plating
Outer contact	Stainless Steel	Passivated (Plating)
Body	Stainless Steel	Passivated (Plating)
Insulator	PTFE (Polytetrafluoroethylene)	

#### **Related Documents**

Outline drawing DOU-00089026

#### **Ordering Information**

Single packaging 6603\_SMA-50-1/199\_NE

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

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