## **Data Sheet**

# **HUBER+SUHNER**

# RF Attenuator 5906.17.0005

#### **Description**

Standard Attenuator, Medium Power



#### **Product Configuration**

Connector (side 1 / side 2) Interface Standards N plug (male) / N jack (female)

IEC 60169-16\_MIL-STD-348A/304\_CECC 22210

#### **Technical Data**

**Electrical Data** 

 $\begin{array}{ll} \mbox{Nominal impedance} & 50 \ \Omega \\ \mbox{Nominal attenuation} & 6 \ \mbox{dB} \end{array}$ 

Frequency range DC to 6 GHz

 Frequency sub range (GHz)
 DC to 1
 1 to 2
 2 to 4
 4 to 6

 Attenuation deviation (±dB)
 0.3
 0.3
 0.3
 0.5

 VSWR max.
 1.1
 1.15
 1.25
 1.35

Power rating 50 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 µs pulse, 0.05 % duty cycle

**Mechanical Data** 

Weight 0.485 kg

**Environmental Data** 

Operating temperature 2011/65/EU (RoHS - including 2015/863 and 2017/2102) -55 °C to 130 °C compliant

#### **Material Data**

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

#### **Related Documents**

Outline drawing DOU-00005339

#### **Ordering Information**

Single packaging 5906.17.0005

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

relevant regulations.

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

www.hubersuhner.com

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