# **Data Sheet**

# IUBER+SUHNER

# **RF Attenuator** 6806.17.B

## **Description**

Precision Attenuator, Low Power



## **Product Configuration**

Connector (side 1 / side 2) Interface Standards

N-precision plug (male) / N-precision jack (female) IEC 60169-16\_MIL-STD-348A/304\_CECC 22210

#### **Technical Data**

**Electrical Data** 

50 O Nominal impedance 6 dB Nominal attenuation

DC to 18 GHz Frequency range

Frequency sub range (GHz) DC to 4 4 to 6 6 to 8 8 to 12.4 12.4 to 18 Attenuation deviation (±dB) 0.3 0.3 0.3 0.5 8.0 VSWR max. 1.15 1.15 1.25 1.1 Power rating

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

500 Watt peak power, 5 µs pulse, 0.05 % duty cycle

**Mechanical Data** 

Weight 0.086 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	Stainless Steel	
Body	Stainless Steel	
Insulator	Air Dielectric - Bead - PPH	
Coupling nut	Brass	SUCOPLATE (R) Plating
Piece Part (side2)	Material	Surface Plating
• •		_
Centre contact	Copper Beryllium Alloy	Gold Plating
Centre contact  Outer contact	Copper Beryllium Alloy Stainless Steel	Gold Plating
	,	Gold Plating
Outer contact	Stainless Steel	Gold Plating

## **Related Documents**

Outline drawing DOU-00005244

### **Ordering Information**

6806.17.B Single packaging

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

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