#### **Data Sheet**

### **HUBER+SUHNER**

# RF Attenuator 6830.17.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**

 $\begin{array}{lll} \mbox{Nominal impedance} & 50 \ \Omega \\ \mbox{Nominal attenuation} & 30 \ \mbox{dB} \\ \mbox{Frequency range} & \mbox{DC to 18 GHz} \end{array}$ 

Frequency sub range (GHz) DC to 4 4 to 6 6 to 8 8 to 12.4 12.4 to 18 Attenuation deviation (±dB) 1.5 1 1 1 VSWR max. 1.15 1.25 1.1 Power rating 1 Watt average power up to 30 °C ambient temperature, linearly derated to 0 Watt at 130 °C ambient

temperature

temperature.

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
Outer contact	Stainless Steel	
Body	Stainless Steel	
Body Insulator	Stainless Steel Air Dielectric - Bead - PPH	

#### **Related Documents**

Outline drawing DOU-00005244

#### **Ordering Information**

Single packaging 6830.17.B

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

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