### **Data Sheet**

# **HUBER+SUHNER**

# RF Attenuator 6805.19.A

#### **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** 

 $\begin{array}{ll} \mbox{Nominal impedance} & \mbox{50} \ \Omega \\ \mbox{Nominal attenuation} & \mbox{5} \ \mbox{dB} \end{array}$ 

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
 0.5
 0.8

 VSWR max.
 1.1
 1.2
 1.2
 1.35

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

temperature.

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

**Mechanical Data** 

Weight 0.008 kg

**Environmental Data** 

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

#### **Material Data**

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

#### **Related Documents**

Outline drawing DCA-00005292

#### **Ordering Information**

Single packaging 6805.19.A

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

www.hubersuhner.com

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