# **Data Sheet**

# **HUBER+SUHNER**

# RF Attenuator 6820.01.A

## **Description**

Standard Attenuator, Low Power



## **Product Configuration**

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

IEC 60169-8\_MIL-STD-348A/301\_CECC 22120

#### **Technical Data**

#### **Electrical Data**

 $\begin{array}{lll} \mbox{Nominal impedance} & \mbox{50 } \Omega \\ \mbox{Nominal attenuation} & \mbox{20 dB} \\ \mbox{Frequency range} & \mbox{DC to 4 GHz} \end{array}$ 

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

 Attenuation deviation (±dB)
 0.5
 1

 VSWR max.
 1.1
 1.2

Power rating 1 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 0.025 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                | Brass                  | SUCOPLATE (R) Plating |
| 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                | Brass                  | SUCOPLATE (R) Plating |
| Insulator           | PFA / PTFE             |                       |

#### **Related Documents**

Outline drawing DOU-00005238

## Ordering Information

Single packaging 6820.01.A

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

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