# **Data Sheet**

## **RF Attenuator** 6820.17.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 Ω Nominal impedance 20 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) 0.5 0.6 0.6 8.0 VSWR max. 1.1 1.15 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

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

**Mechanical Data** 

Weight 0.086 kg

**Environmental Data** 

Operating temperature -55 °C to 130 °C 2011/65/EU (RoHS) 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             |                       |
| Insulator           | Air Dielectric - Bead - PPH |                       |

#### **Related Documents**

Outline drawing DOU-00005244

## **Ordering Information**

Single packaging 6820.17.B

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