## **Data Sheet**



# RF Attenuator 6807.17.A

#### **Description**

Standard Attenuator, Low Power



#### **Product Configuration**

Connector (side 1 / side 2) N plug (male) / N jack (female)

Interface Standards IEC 60169-16\_MIL-STD-348A/304\_CECC 22210

#### **Technical Data**

**Electrical Data** 

 $\begin{array}{ll} \text{Nominal impedance} & 50 \ \Omega \\ \text{Nominal attenuation} & 7 \ \text{dB} \end{array}$ 

Frequency range DC to 12.4 GHz

 Frequency sub range (GHz)
 DC to 4
 4 to 8
 8 to 10
 10 to 12.4

 Attenuation deviation (±dB)
 0.3
 0.3
 0.5
 0.5

 VSWR max.
 1.1
 1.2
 1.2
 1.25

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 0.069 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	Gold Plating
Body	Brass	SUCOPLATE (R) Plating
Insulator	PFA / PTFE	
Coupling nut	Brass	SUCOPLATE (R) Plating
Piece Part (side2)	Material	Surface Plating
Piece Part (side2) Centre contact	Material  Copper Beryllium Alloy	Surface Plating Gold Plating
, ,		
Centre contact	Copper Beryllium Alloy	Gold Plating
Centre contact Outer contact	Copper Beryllium Alloy Brass	Gold Plating Gold Plating

#### **Related Documents**

Outline drawing DOU-00005259

#### **Ordering Information**

Single packaging 6807.17.A

### **Data Sheet**



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