# **Data Sheet**



# RF Attenuator 6606\_SMA-50-3/199\_N

### **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** 

 $\begin{array}{ll} \mbox{Nominal impedance} & \mbox{50} \ \Omega \\ \mbox{Nominal attenuation} & \mbox{6} \ \mbox{dB} \end{array}$ 

Frequency range DC to 23 GHz

Frequency sub range (GHz) DC to 4 4 to 8 8 to 12.4 12.4 to 18 18 to 23 Attenuation deviation (±dB) 0.3 0.3 0.3 0.3 0.4 VSWR max. 1.25 1.35 1.4

2 Watt average power up to 25 °C ambient temperature, linearly derated to 0.5 Watt at 125 °C ambient

temperature.

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

**Mechanical Data** 

Power rating

Weight 0.004 kg

**Environmental Data** 

Operating temperature 2011/65/EU (RoHS - including 2015/863 and 2017/2102) -65 °C to 125 °C compliant

#### **Material Data**

| Piece Part (side 1) | Material                       | Surface Plating      |
|---------------------|--------------------------------|----------------------|
| Centre contact      | Copper Beryllium Alloy         | Gold Plating         |
| Outer contact       | Stainless Steel                | Passivated (Plating) |
| Body                | Stainless Steel                | Passivated (Plating) |
| Insulator           | PTFE (Polytetrafluoroethylene) |                      |
| Coupling nut        | Stainless Steel                | Passivated (Plating) |
| Piece Part (side2)  | Material                       | Surface Plating      |
| Centre contact      | Copper Beryllium Alloy         | Gold Plating         |
| Outer contact       | Stainless Steel                | Passivated (Plating) |
| Body                | Stainless Steel                | Passivated (Plating) |
| Insulator           | PTFE (Polytetrafluoroethylene) |                      |

## **Related Documents**

Outline drawing DOU-00121527

# **Ordering Information**

Single packaging 6606\_SMA-50-3/199\_NE

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