# Data Sheet

HUBER+SUHNER

## RF Attenuator
## 6620_SMA-50-3/199_N

## Description

Standard Attenuator, Low Power



## Product Configuration

| | |
|---|---|
| Connector (side 1 / side 2) | SMA plug (male) / SMA jack (female) |
| Interface Standards | IEC 60169-15_MIL-STD-348A/310_CECC 22110 |

## Technical Data

### Electrical Data

| | | | | | |
|---|---|---|---|---|---|
| Nominal impedance | 50 Ω | | | | |
| Nominal attenuation | 20 dB | | | | |
| 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) | 0.5 | 0.5 | 0.5 | 0.5 | 0.6 |
| VSWR max. | 1.15 | 1.2 | 1.25 | 1.35 | 1.4 |
| Power rating | 2 Watt average power up to 25 ˚C ambient temperature, linearly derated to 0.5 Watt at 125 ˚C ambient temperature.<br>250 Watt peak power, 5 µs pulse, 0.05 % duty cycle | | | | |

### Mechanical Data

| | |
|---|---|
| Weight | 0.004 kg |

### Environmental Data

| | |
|---|---|
| Operating temperature | -65 °C to 125 °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 | 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-00121644 |

## Ordering Information

| | |
|---|---|
| Single packaging | 6620_SMA-50-3/199_NE |



Waiver: It is exclusively in written agreements that we provide our customers with warrants and representations as to the technical specifications and/or the fitness for any particular purpose. The facts and figures contained herein are carefully compiled to the best of our knowledge, but they are intended for general information purposes only.