# Data Sheet

HUBER+SUHNER

## RF Attenuator
## 6805.17.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

| | | | | |
|---|---|---|---|---|
| Nominal impedance | 50 Ω | | | |
| Nominal attenuation | 5 dB | | | |
| 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.<br>500 Watt peak power, 5 µs pulse, 0.05 % duty cycle | | | |

### Mechanical Data

| | |
|---|---|
| Weight | 0.077 kg |

### Environmental Data

| | |
|---|---|
| Operating temperature | -55 °C to 130 °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 | Brass | Gold 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 | Gold Plating |
| Body | Brass | SUCOPLATE (R) Plating |
| Insulator | PFA / PTFE | |

## Related Documents

| | |
|---|---|
| Outline drawing | DOU-00005259 |

## Ordering Information

| | |
|---|---|
| Single packaging | 6805.17.A |

Waiver: Fact and figures herein are for information only and do not represent any warranty of any kind.