

HUBER+SUHNER® DATA SHEET

RF ATTENUATOR: Type 6830.19.A

Rev.: H



Description

Precision Attenuator, Low Power

Product Configuration

Connectors (side 1 / side 2) SMA plug (male) / SMA jack (female)

Technical Data

Electrical Data

| | | | | |
|-----------------------------|--|--------|-----------|------------|
| Nominal Impedance | 50 Ω | | | |
| Nominal Attenuation | 30 dB | | | |
| Frequency Range | DC to 18 GHz | | | |
| Frequency sub Range (GHz) | DC to 4 | 4 to 8 | 8 to 12.4 | 12.4 to 18 |
| Attenuation Deviation (±dB) | 1 | 1 | 1 | 1.5 |
| VSWR max. | 1.1 | 1.2 | 1.2 | 1.35 |
| Power Rating | 1 Watt average power to 30 °C ambient temperature, linearly derated to 0 Watt at 130 °C ambient temperature. 500 Watt peak power during max. 5 μs | | | |
| Power coefficient | 0.001 dB/dB/W | | | |
| Temp. coefficient | 0.0001 dB/dB/°C | | | |

Mechanical Data

| | |
|------------|--|
| Dimensions | 9 / 9 / 30 (height / width / length coaxial in mm) |
| Weight | 0.008 kg |

Environmental Data

| | |
|-------------------|-----------|
| 2002/95/EC (RoHS) | compliant |
|-------------------|-----------|

Material Data

Piece Part (side 1)

| | |
|----------------|------------------------|
| Centre contact | Copper Beryllium Alloy |
| Outer contact | Copper Beryllium Alloy |
| Body | Copper Beryllium Alloy |
| Insulator | PFA / PTFE |
| Coupling nut | Bronze |

Piece Part (side 2)

| | |
|----------------|------------------------|
| Centre contact | Copper Beryllium Alloy |
| Outer contact | Copper Beryllium Alloy |
| Body | Copper Beryllium Alloy |
| Insulator | PFA / PTFE |

Surface Plating

| |
|--|
| Gold Plating (without Nickel underplating) |
| Gold Plating (without Nickel underplating) |
| Gold Plating (without Nickel underplating) |
| Gold Plating (without Nickel underplating) |

Surface Plating

| |
|--|
| Gold Plating (without Nickel underplating) |
| Gold Plating (without Nickel underplating) |
| Gold Plating (without Nickel underplating) |

Related Documents

| | |
|-----------------|--------------|
| Outline drawing | DCA-00005292 |
|-----------------|--------------|

Ordering Information

| | |
|------------------|-----------|
| Single packaging | 6830.19.A |
|------------------|-----------|

Additional Information

Remarks

| | |
|------------------------------|--|
| Interface dimensions acc. to | IEC 60169-15_MIL-STD-348A/310_CECC 22110 |
|------------------------------|--|



HUBER+SUHNER is certified according to ISO 9001 and ISO 14001

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 informational purposes only.



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