

HUBER+SUHNER® DATA SHEET

RF ATTENUATOR: Type 6820.19.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	20 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 (\pm dB)	0.5	0.6	0.8	1
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 μ s			
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
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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

Centre contact	Gold Plating (without Nickel underplating)
Outer contact	Gold Plating (without Nickel underplating)
Body	Gold Plating (without Nickel underplating)
Coupling nut	Gold Plating (without Nickel underplating)

Surface Plating

Centre contact	Gold Plating (without Nickel underplating)
Outer contact	Gold Plating (without Nickel underplating)
Body	Gold Plating (without Nickel underplating)



Related Documents

Outline drawing	DCA-00005292
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Ordering Information

Single packaging	6820.19.A
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Additional Information

Remarks

Interface dimensions acc. to	IEC 60169-15_MIL-STD-348A/310_CECC 22110
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HUBER+SUHNER is certified according to ISO 9001 and ISO 14001

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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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