

HUBER+SUHNER® DATA SHEET

RF ATTENUATORS: SERIES 59XX.17.YYYY (N, 25 Watt)



Description

Standard Attenuator, Medium Power

Type 59XX.17.YYYY, for XX insert attenuation value in dB, YYYY stands for independent consecutive number
For example for 3 dB attenuation insert "03" in the type code and write 5903.17.0004



Product Configuration

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

Technical Data

Electrical Data

Nominal impedance	50 Ω
Attenuation values	from 3 up to 10 dB
Frequency range	DC to 6 GHz ^{*)}
Power rating	25 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 Convection cooled
Power Coefficient	0.001 dB/dB/W
Temp. Coefficient	0.0001 dB/dB/°C

Environmental Data

2002/95/EC (RoHS) compliant

Mechanical Data

Dimensions	51 / 51 / 75.7 (height / width / length coaxial in mm)
Weight	0.206 kg

Material Data

Piece Part	Material	Surface Plating
Centre contacts	Copper-Beryllium Alloy	Gold Plating
Outer contacts	Brass	SUCOPLATE® Plating
Body	Aluminum	Anodized
Coupling Nut	Brass	SUCOPLATE® Plating

Related Documents

Outline Drawing	DOU-00005336
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Ordering Information

Single Packing	59XX.17.YYYY ^{*)}
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Additional Information

Remarks

Interface dimensions acc. to	IEC 60169-16_MIL-STD-348A/304_CECC 22110
Important note	⚠ WARNING Beryllia Ceramic Inside! ⚠ DO NOT sand, scrap or tamper with. Dispose in accordance with all relevant regulations.

^{*)} for complete type code identification and detail specifications see page 2.

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Nominal attenuation (dB)	Attenuation deviation max. over frequency (GHz) (dB)			VSWR max. over frequency (GHz)				H+S type	Item number
	DC - 2	2 - 4	4 - 6	DC-1	1 - 2	2 - 4	4 - 6		
3	+/-0.2	+/-0.3	+/-0.3	1.10	1.10	1.25	1.25	5903.17.0004	22648037
6	+/-0.3	+/-0.3	+/-0.5	1.10	1.15	1.25	1.35	5906.17.0004	22648040
10			+/-0.5				1.2	5910_N-50-025 *)	84067096 *)
20			+/-0.5				1.2	5920_N-50-025 *)	84067101 *)
30			+/-0.75				1.2	5930_N-50-025 *)	84067102 *)

*) for the 10, 20 and 30 dB: construction differs from the 3 and 6 dB – Please ask for specific datasheet. 10, 20 and 30 dB

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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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