

HUBER+SUHNER® DATA SHEET

RF ATTENUATORS: SERIES 69XX.18.A (N, 1 GHz, 75 Ω)



Description

Standard Attenuator, Low Power 75 Ω

Type 69XX.18.A, for XX insert attenuation value in dB

For example for 3 dB attenuation insert "03" in the type code and write 6903.18.A



Product Configuration

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

Technical Data

Electrical Data

Nominal impedance	75 Ω
Attenuation values	from 3 up to 30 dB
Frequency range	DC to 1 GHz *)
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	20.5 / 20.5 / 64 (height / width / length coaxial in mm)
Weight	0.061 kg / 2.15 oz

Material Data

Piece Part	Material	Surface Plating
Centre contacts	Brass	Gold Plating (not nickel underplated)
Outer contacts	Brass	SUCOPLATE® Plating
Body	Brass	SUCOPLATE® Plating
Coupling Nut	Brass	SUCOPLATE® Plating

Related Documents

Outline Drawing	DCA-00005020
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Ordering Information

Single Packing	69XX.18.A *)
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Additional Information

Remarks

Interface dimensions acc. to	IEC 60169-16_MIL-STD-348A/304_CECC 22210
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*) 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)		Power	H+S type	Item number
	DC – 0.5	0.5 - 1	DC - 0.5	0.5 - 1			
3	+/-0.3	+/-0.5	1.10	1.15	1 W	6903.18.A	22550218
6						6906.18.A	22550219
10	+/-0.3	+/-0.6	1.10	1.15	0.8 W	6910.18.A	22550220
20	+/-0.5	+/-0.8	1.10	1.15	0.5 W	6920.18.A	22550221
30	+/-1.0	+/-2.0 ¹⁾	1.10	1.20 ¹⁾	0.5 W	6930.18.A	22550222

¹⁾ Up to 0.7 GHz

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

WAIVER!
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