

# HUBER+SUHNER® DATA SHEET

## RF ATTENUATORS: SERIES 69XX.02.A (BNC, 1 GHz, 75 Ω)



### Description

Standard Attenuator, Low Power 75 Ω

#### Type 69XX.02.A, for XX insert attenuation value in dB

For example for 3 dB attenuation insert "03" in the type code and write 6903.02.A



### Product Configuration

Connectors (side 1 / side 2)      BNC plug (male) / BNC 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	14.5 / 14.5 / 50.5 (height / width / length coaxial in mm)
Weight	0.024 kg / 0.85 oz

#### Material Data

##### Piece Part

Centre contacts
Outer contacts
Body
Coupling Nut

##### Material

Brass
Brass
Brass
Brass

##### Surface Plating

Gold Plating (not nickel underplated)
SUCOPLATE® Plating
SUCOPLATE® Plating
SUCOPLATE® Plating

### Related Documents

Outline Drawing	DCA-00005012
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### Ordering Information

Single Packing	69XX.02.A *)
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### Additional Information

#### Remarks

Interface dimensions acc. to	IEC 60169-8_MIL-STD-348A/301_CECC 22120
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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 – 0.7	0.7 - 1	DC - 0.5	0.5 - 1			
3	+/-0.3	+/-0.8	1.10	1.15	1 W	<b>6903.02.A</b>	22550074
6						<b>6906.02.A</b>	22550088
10	+/-0.3	+/-0.8	1.10	1.15	0.5 W	<b>6910.02.A</b>	22550124
20	+/-0.5	+/-0.8	1.10	1.20	0.5 W	<b>6920.02.A</b>	22550138
30	+/-2.0	--- <sup>1)</sup>	1.10	1.20	0.5 W	<b>6930.02.A</b>	22550159

<sup>1)</sup> not specified

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

**WAIVER!**  
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