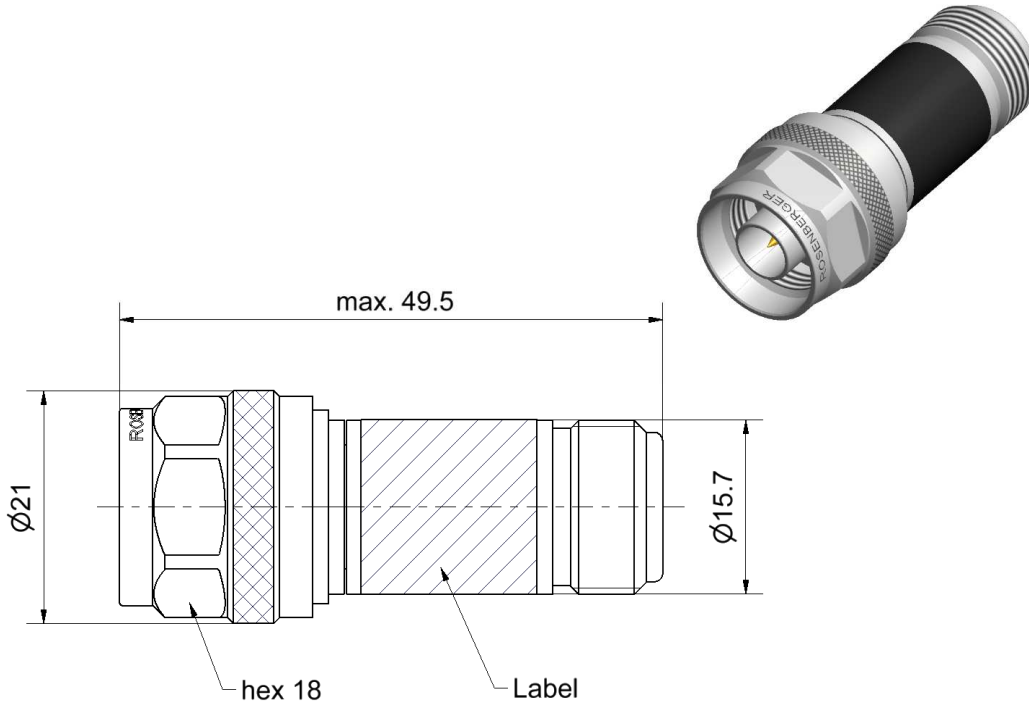


N 50 Ω

Attenuator
Plug/Jack

53AS102-K03N3



All dimensions are in mm; tolerances according to ISO 2768 m-H

Interface

According to IEC 61169-16

Documents

N/A

Material and plating

Connector parts

- Center contact - plug
- Center contact - jack
- Outer contact
- Coupling nut
- Dielectric
- Substrate

Material

- Brass
- CuBe
- Brass
- Brass
- PTFE
- Al₂O₃

Plating

- Gold, min. 1.27 μm, over nickel
- Gold, min. 1.27 μm, over nickel
- Flash white bronze over silver(e.g. Optargen®)
- Flash white bronze over silver(e.g. Optargen®)

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RF_35/09;14/6.2

Technical Data Sheet

Rosenberger

N 50 Ω

Attenuator
Plug/Jack

53AS102-K03N3

Electrical data

Impedance	50 Ω
Frequency	DC to 12.4 GHz
Return loss	≥ 26.4 dB, DC to 4 GHz ≥ 20.8 dB, 4 GHz to 10 GHz ≥ 19.1 dB, 10 to 12.4 GHz
Attenuation	3 dB \pm 0.3 dB, DC to 4 GHz 3 dB \pm 0.6 dB, 4 GHz to 8 GHz 3 dB \pm 1.0 dB, 8 GHz to 12.4 GHz
Power handling	2 W at 25°C derated linearity to 0 Watts at 125°C

Mechanical data

Mating cycles	≥ 500
Coupling nut retention	≥ 450 N
Center contact captivation	≥ 28 N
Maximum torque	1.70 Nm
Recommended torque	0.70 Nm to 1.10 Nm

Environmental data

Operating temperature range ¹	0 °C to +50 °C
Storage temperature range	-40 °C to +85 °C
RoHS	compliant

¹ Temperature range over which these specifications are valid.

Packing

Standard	1 pce in bag
Weight	67.0 g/pce

While the information has been carefully compiled to the best of our knowledge, nothing is intended as representation or warranty on our part and no statement herein shall be construed as recommendation to infringe existing patents. In the effort to improve our products, we reserve the right to make changes judged to be necessary.

Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
Kerstin Herzog	06.01.05	Lars Ramtke	05.02.16	b00	16-0025	Marion Striegler	05.02.16

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Page
2 / 2