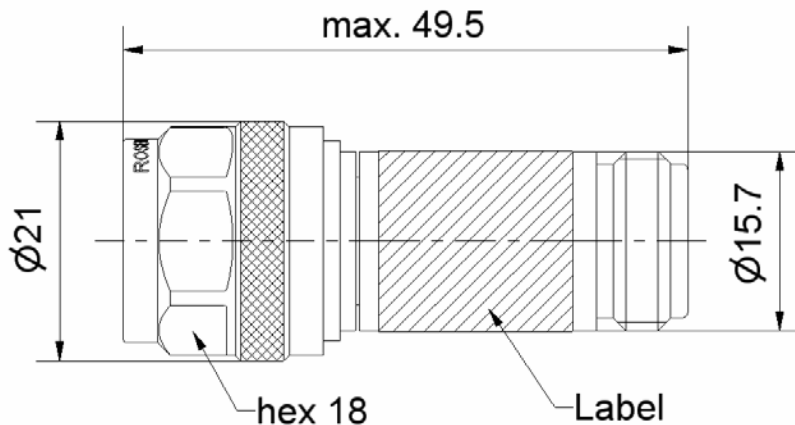


N **MATCHING ATTENUATOR**
50Ω/75Ω **50Ω PLUG - 75Ω JACK**

53S173-K00N3



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

Interface

According to IEC 60169-16, MIL-PRF-39012, CECC 22210

Documents

N/A

Material and plating

Connector parts

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

Material

Brass
 Beryllium copper
 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®)

TECHNICAL DATA SHEET

Rosenberger®

N MATCHING ATTENUATOR
50Ω/75Ω 50Ω PLUG - 75Ω JACK

53S173-K00N3

Electrical data

Impedance	50 Ω
Frequency	DC to 2 GHz
Return loss	≥ 26.4 dB, DC to 1 GHz ≥ 20.8 dB, 1 GHz to 2 GHz
Attenuation	5.72 dB
Center contact resistance	≤ 1.0 mΩ
Outer contact resistance	≤ 0.25 mΩ
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
Coupling test torque	1.70 Nm
Recommended torque	0.70 Nm to 1.10 Nm

Environmental data

Temperature range	-65°C to +165°C
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Tooling

N/A

Suitable cables

N/A

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	06/10/05	Frank Weiß	14/11/05	a00	04-0130	Siegmar Hoyer	26/10/05
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