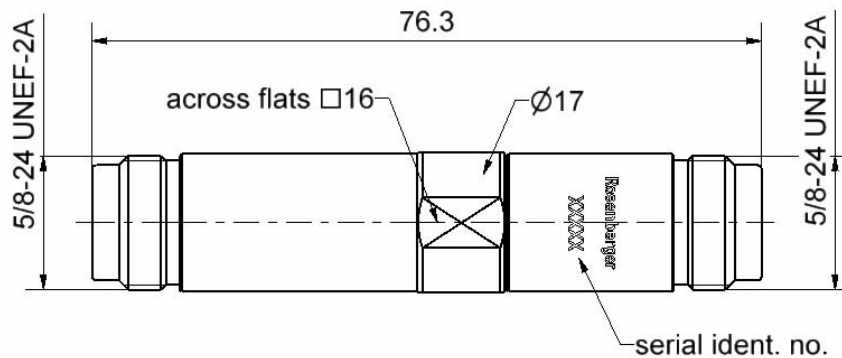




All dimensions are in mm; tolerances according to ISO 2768 m-H

Interface

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

Documents

N/A

Material and plating

Connector parts

Center contact
Outer contact
Dielectric

Material

Beryllium copper
Stainless steel
PPE

Plating

Gold, min. 1.27 μ m, over chemical nickel
Passivated

TECHNICAL DATA SHEET

Rosenberger®

SnapN
50 Ω CALIBRATION ADAPTOR

53QK121-K20S3

Electrical data

Impedance	50 Ω
Frequency	DC to 11 GHz
Center contact resistance	≤ 1.5 mΩ
Outer contact resistance	≤ 1.5 mΩ
Return loss	S _{ii} ≥ 36 dB, DC to 4 GHz
	S _{ii} ≥ 27 dB, 4 GHz to 11 GHz
Insertion loss	S _{ii} ≤ -0.1 dB, DC to 4 GHz
	S _{ii} ≤ -0.2 dB, 4 GHz to 11 GHz
Electrical length	60.00 mm
Accuracy of electrical length	± 0.1 mm

Mechanical data

Mating cycles	min. 200
Center contact captivation	≥ 28 N
Engagement force	30 N (typ.)
Disengagement force	20 N (typ.)

Environmental data

Temperature range	0°C to +50°C
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2002/95/EC (RoHS)	compliant
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Tooling

N/A

Suitable cables

N/A

Packing

Standard	1 pce in bag
Weight	89.2 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	10/05/06	Frank Weiß	07/07/08	b00	08-0394	Kerstin Hobrak	07/07/08

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