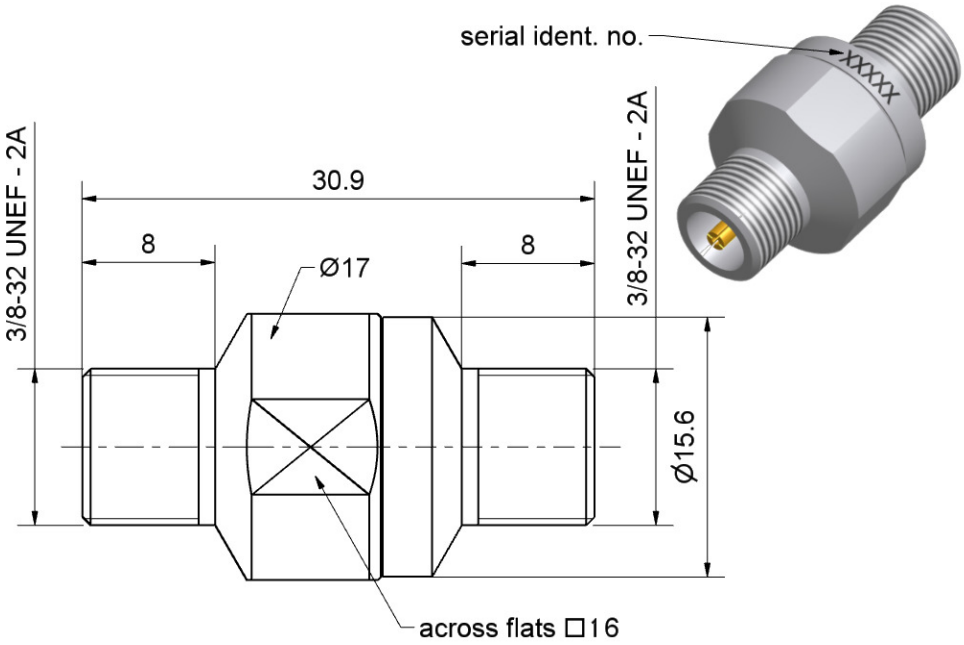
TECHNICAL DATA SHEET

Rosenberger®

CALIBRATION ADAPTOR
F 75 Ω JACK – F 75 Ω JACK

74K121-K20S3



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

Interface

According to: IEC 169-24 ; EIA-550

Documents

N/A

Material and plating

Connector parts	**Material**	**Plating**
Center contact	Beryllium copper	Gold, min. 1.27 µm, over chemical nickel
Outer contact	Stainless steel	Passivated
Dielectric	PS	

RF_35/08.06/4.0

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Electrical data

Impedance	75 Ω
Frequency	DC to 4 GHz
Return loss	≥ 32 dB, DC to 4 GHz
Insertion loss	$\leq 0.05 \times \sqrt{f(GHz)}$ dB
Center contact resistance	≤ 10.0 mΩ
Outer contact resistance	≤ 1.0 mΩ
Electrical length	32.60 mm
Accuracy of electrical length	± 0.20 mm (±1.0° at 4 GHz)

Mechanical data

Mating cycles	≥ 500
Coupling test torque	6.78 Nm
Recommended torque	1.70 Nm to 2.26 Nm
Accommodate male contact diameter	0.76 mm to 0.86 mm

Environmental data

Temperature range	0°C to +50°C
Thermal shock	IEC 61169-1, Subclause 9.4.4
Corrosion	IEC 61169-1, Subclause 9.4.6
Vibration	IEC 61169-1, Subclause 9.3.3
Shock	IEC 61169-1, Subclause 9.3.14
Moisture resistance	IEC 61169-1, Subclause 9.4.3
2002/95/EC (RoHS)	compliant

Tooling

N/A

Suitable cables

N/A

Packing

Standard	1 pce in box
Weight	22.7 g/pce

Draft	Date	Approved	Date
Herbert Babinger	26/11/04	Frank Weiß	28/09/10

Rev.	Engineering change number	Name	Date
f00	10-0581	Marcel Panicke	28/09/10

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