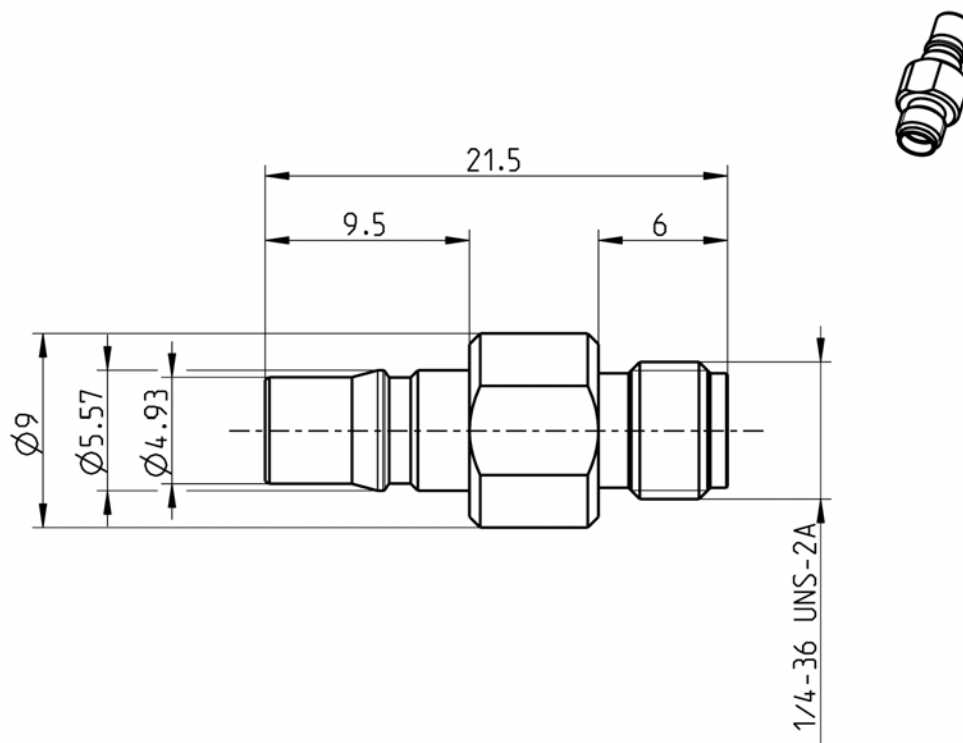




Interface

According to	QMA side:	Rosenberger 28K000-000, series QMA Rosenberger is an authorised QLF® manufacturer
	SMA side:	IEC 60169-15; EN 122110; MIL-STD-348A, Fig. 310

N/A

Connector parts

Center contact
Outer contact
Dielectric

CuBe
Brass
PTFE

AuroDur®, gold plated
White bronze(e.g. Optalloy®)

TECHNICAL DATA SHEET

Rosenberger

ADAPTOR
QMA JACK – SMA JACK

28K132-K00N5

Electrical data

Impedance	50 Ω
Frequency	DC to 18 GHz
Return loss	≥ 32 dB, DC to 3 GHz ≥ 28 dB, 3 to 6 GHz
Insertion loss	≤ 0.03 x √f(GHz) dB, DC to 6 GHz
Insulation resistance	≥ 5 x10 ³ MΩ
Center contact resistance	≤ 3 mΩ, QMA side ≤ 3 mΩ, SMA side
Outer contact resistance	≤ 2.5 mΩ, QMA side ≤ 2 mΩ, SMA side
Test voltage	1000 V rms
Working voltage	480 V rms
RF-leakage	≥ 95 dB up to 2 GHz ≥ 80 dB up to 4 GHz ≥ 70 dB up to 6 GHz

Mechanical data

	QMA side	SMA side
Mating cycles	min. 100	min. 100
Coupling nut retention	N/A	N/A
Center contact captivation: axial	≥ 20 N	≥ 20 N
Coupling test torque	N/A	0.5 Nm
Recommended torque	N/A	max. 0.6 Nm
Engagement force	typ. 25 N	N/A
Disengagement force	typ. 20 N	N/A
Retention force for interface	60 N min.	N/A

Environmental data

Temperature range	-40°C to +85°C
Storage temperature	-40°C to +85°C
Thermal shock	IEC 60169-1 16.4 (-40 / +85°C)
Corrosion	IEC 60169-1 16.7 (48 hrs)
Vibration	IEC 60068-2-64 random
Damp heat, steady state	IEC 60169-1 16.3 (96 hrs)
RoHS	compliant

Weight

Weight	4.1 g/pce
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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
Rong Fang	26/02/07	Sa. Krautenbacher	13.03.14	c00	14-0352	T. Krojer	13.03.14

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