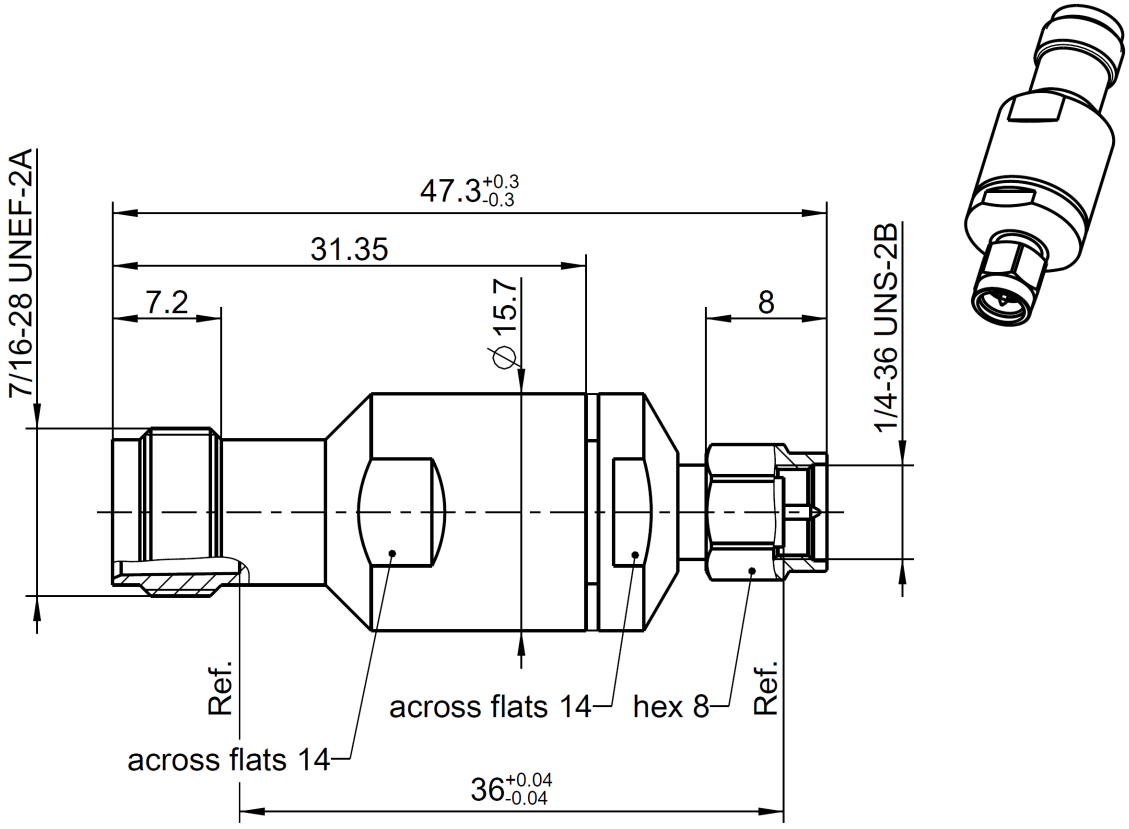
TECHNICAL DATA SHEET	Rosenberger
ADAPTOR RPC-TNC JACK – SMA PLUG	**06K132-S00S3**



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

Interface

RPC-TNC according to	IEC 60169-26
SMA according to	IEC 60169-15; EN 122110; MIL-STD 348A/310
SMA mechanically compatible with	RPC-2.92 and RPC-3.50

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
Coupling nut	Stainless steel	Passivated
Dielectric 1	PTFE	
Dielectric 2	PPE	
Gasket SMA	Silicone	

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Electrical data

Impedance	50 Ω
Frequency	DC to 18 GHz
Return loss	≥ 19 dB, DC to 18 GHz
Insertion loss	≤ 0.1 x $\sqrt{f(GHz)}$ dB
Insulation resistance	≥ 5 GΩ
Center contact resistance RPC-TNC	≤ 1.5 mΩ
Outer contact resistance RPC-TNC	≤ 1.0 mΩ
Center contact resistance SMA	≤ 3.0 mΩ
Outer contact resistance SMA	≤ 2.0 mΩ
Test voltage	1000 V rms
Working voltage	480 V rms
RF-leakage	≥ 90 dB up to 1 GHz

Mechanical data

Mating cycles	≥ 500
Center contact captivation	≥ 27 N
Coupling test torque RPC-TNC	1.70 Nm
Recommended torque RPC-TNC	0.46 Nm to 0.69 Nm
Coupling test torque SMA	1.70 Nm
Recommended torque SMA	0.80 Nm to 1.10 Nm

Environmental data

Temperature range	-40°C to +85°C
Thermal shock	MIL-STD-202, Method 107, Condition B
Corrosion	MIL-STD-202, Method 101, Condition B
Vibration	MIL-STD-202, Method 204, Condition D
Shock	MIL-STD-202, Method 213, Condition I
Moisture resistance	MIL-STD-202, Method 106
RoHS	compliant

Tooling

N/A

Suitable cables

N/A

Weight

32.2 g/pce

Draft	Date	Approved	Date
Herbert Babinger	02.12.04	Martin Moder	26.01.16

Rev.	Engineering change number	Name	Date
c00	16-0128	Maik Knoll	26.01.16

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