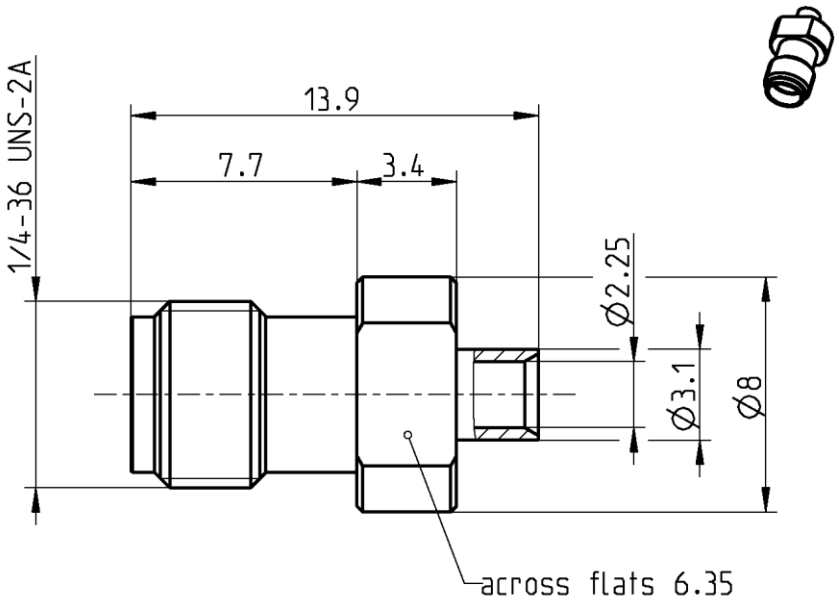
TECHNICAL DATA SHEET	Rosenberger
SMA STRAIGHT JACK	**32K101-271L5**



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

Interface

According to	IEC 60169-15; EN 122110; MIL-STD-348

Documents

Assembly instruction	32 A4 or 32 A21

Material and plating

Connector parts	**Material**	**Plating**
Center contact	Beryllium copper	AuroDur, gold plated
Outer contact	Beryllium copper or equivalent	AuroDur, gold plated
Dielectric	PTFE	

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Electrical data

Impedance	50 Ω
Frequency	DC to 18 GHz
VSWR	≥ 30 dB @ DC to 8 GHz ≥ 25 dB @ 8 to 12 GHz ≥ 19 dB @ 12 to 18 GHz
Insertion loss	$\leq 0.03 \times \sqrt{f(GHz)}$ dB
Insulation resistance	≥ 5 x10^3 MΩ
Center contact resistance	≤ 3 mΩ
Outer contact resistance	≤ 2 mΩ
Test voltage	1000 V rms
Working voltage	480 V rms
Power handling (at 20 °C, sea level, VSWR 1.0)	≤ 200 W @ 2 GHz
RF-leakage	≥ 100 dB up to 1 GHz

- Limitations are possible due to the used cable type -

Mechanical data

Mating cycles	min. 500
Coupling test torque	max. 1.7 Nm
Recommended torque	0.8 Nm to 1.1 Nm

Environmental data

Temperature range	-55°C to +155°C
Thermal shock	MIL-STD-202, Meth. 107, Cond. B
Corrosion	MIL-STD-202, Meth. 101, Cond. B
Vibration	MIL-STD-202, Meth. 204, Cond. D
Shock	MIL-STD-202, Meth. 213, Cond. I
Moisture resistance	MIL-STD-202, Meth. 106
RoHS	compliant

Tooling

N/A

Suitable cables

UT 85, RG 405

Weight

Weight	1.90 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
Schmid M.	08.03.07	J_Krautenbacher	21.07.16

Rev.	Engineering change number	Name	Date
d00	15-1629	I_Wallner	21.07.16

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