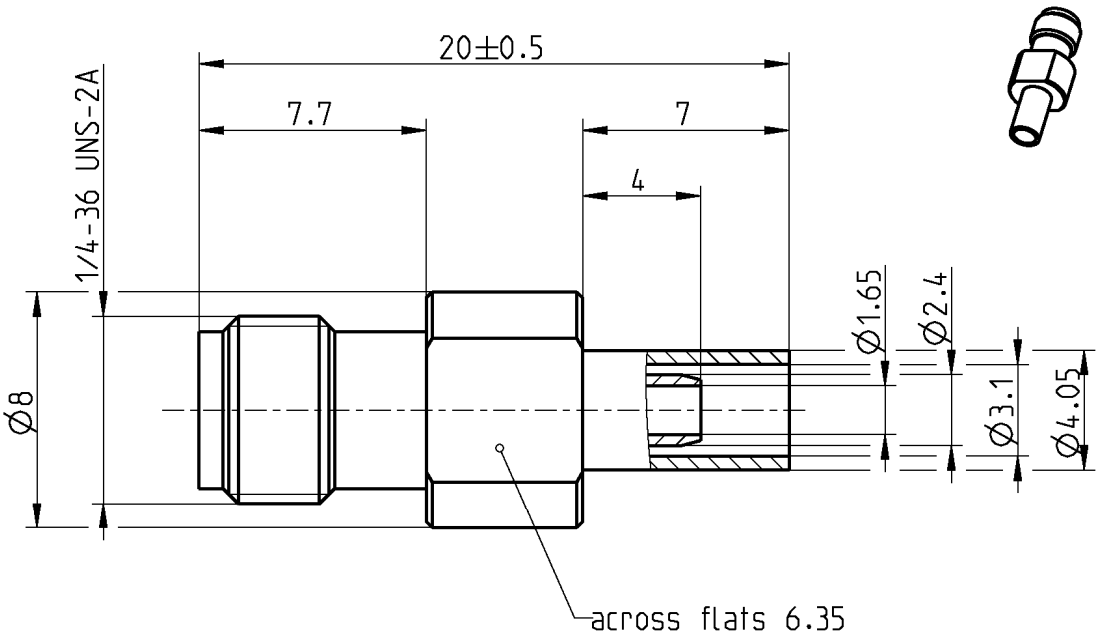
TECHNICAL DATA SHEET	Rosenberger
SMA STRAIGHT JACK	**32K107-302L5**



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 B21

Material and plating

Connector parts	**Material**	**Plating**
Center contact	CuBe	AuroDur®, gold plated
Outer contact	CuBe or equiv.	AuroDur®, gold plated
Dielectric	PTFE	
Crimping ferrule	Copper	Gold, 0.1 µm

Rosenberger Hochfrequenztechnik GmbH & Co. KG
P.O.Box 1260 D-84526 Tittmoning Germany
www.rosenberger.de

Tel.: +49 8684 18-0
email: info@rosenberger.de

TECHNICAL DATA SHEET	Rosenberger
SMA STRAIGHT JACK	**32K107-302L5**

Electrical data

Impedance	50 Ω
Frequency	DC to 12.4 GHz
VSWR	≤ 1.05 + 0.01 x f [GHz], DC to 5 GHz
Insertion loss	≤ 0.03 x $\sqrt{f(GHz)}$ dB, DC to 5 GHz
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
Center contact captivation: axial	≥ 27 N
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

Crimping tool	11W150-000
Crimp insert	11W150-102

Suitable cables

RG 174 A/U, RG 188 A/U, RG 316 /U

Weight

Weight	2.78 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
Krautenbacher J.	12/09/07	J_Krautenbacher	21.07.16

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

Rosenberger Hochfrequenztechnik GmbH & Co. KG
P.O.Box 1260 D-84526 Tittmoning Germany
www.rosenberger.de

Tel.: +49 8684 18-0

email: info@rosenberger.de

Unikeyic Electronics

Global Electronic Components Distributor

Click to view pricing, inventory, delivery, and lifecycle information:

Rosenberger:

32K607-303L5 32S102-271L5 53K503-K00N5 02S119-S00E3 119S104-40ML5 51 K 507-802 N5
71S102-109N5 02K121-K00S3 19K104-K00L5 19S202-40ML5 59K214-303L5 02K109-S00S3
32S207-303L5 53K189-K00N1 53K160-KIMN1 51S101-S00N5 02K621-K00S3 153QK153-S00N5
19K119-K11L5 19S161-40ML5 28K132-K00N5 32Z111-000L5 59K214-302L5 119K101-272N5
32K151-S00L5 32S107-306L5 32S151-S00L5 19S103-400L5 32RS132-K00L5 56K501-K00N5