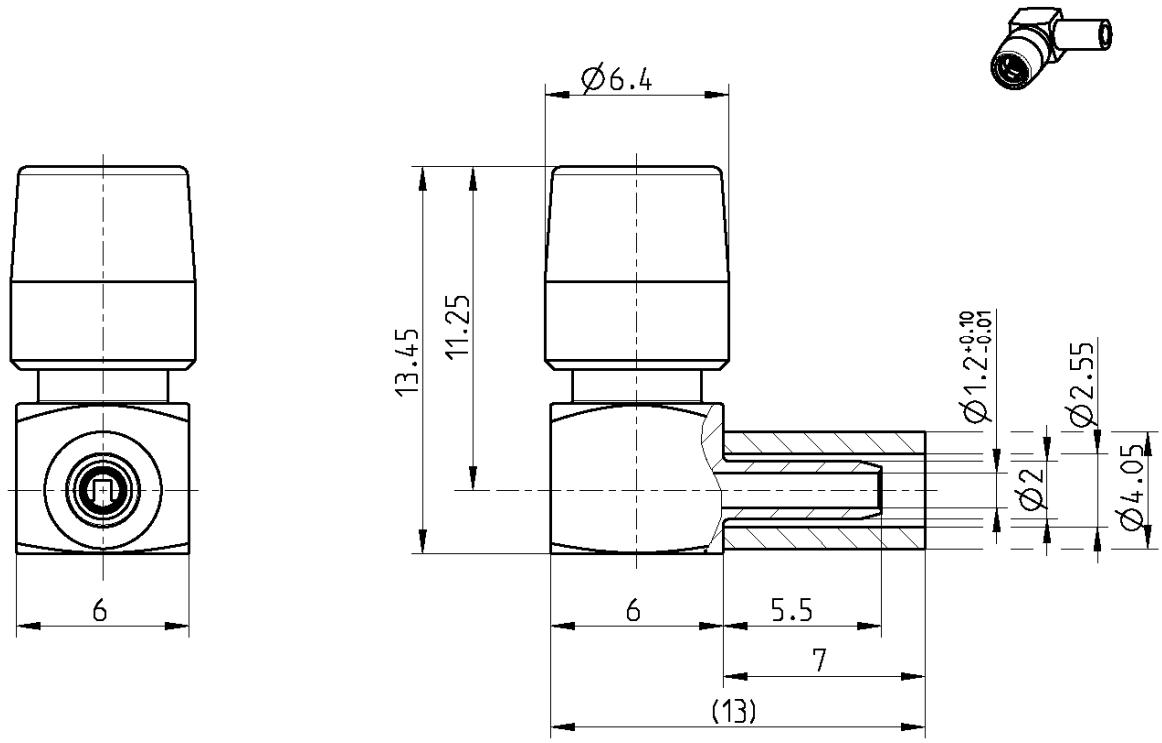
TECHNICAL DATA SHEET	Rosenberger
SMB RIGHT ANGLE JACK	**59K204-301L5**



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

Interface

According to	IEC 60169-10, CECC 22130, US MIL-C-39012

Documents

Assembly instruction	59 F

Material and plating

Connector parts	**Material**	**Plating**
Center contact	Beryllium copper	AuroDur
Outer contact	Beryllium copper	AuroDur
Body	Brass	AuroDur
Dielectric	PTFE	
Crimping ferrule	Copper	Gold, 0.1 µm min.

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Electrical data

Impedance	50 Ω
Frequency	DC to 4 GHz
Return loss	≥ 20 dB, DC to 1 GHz
	≥ 12 dB, 1 to 4 GHz
Insertion loss	≤ 0.1 x $\sqrt{f(GHz)}$ dB, DC to 2 GHz
Insulation resistance	≥ 1x10^3 MΩ
Center contact resistance	≤ 5 mΩ
Outer contact resistance	≤ 2.5 mΩ
Test voltage	750 V rms, 50 Hz, at sea level
Working voltage	≤ 250 V rms, 50 Hz, at sea level
Contact current	1.5 A DC typ.
RF-leakage	≥ 55 dB up to 1 GHz

- Limitations are possible due to the used cable type -

Mechanical data

Mating cycles	≥ 500
Center contact captivation: axial	≥ 10 N
Engagement force	≤ 63 N
Disengagement force	8 N min. to 63 N max.

Environmental data

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

Tooling

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

Suitable cables

RG 196 A/U, RG 178 B/U

Weight

Weight	2.85 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
A. König	14/12/06	Sa. Krautenbacher	20.03.14

Rev.	Engineering change number	Name	Date
b00	14-0352	T. Krojer	20.03.14

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