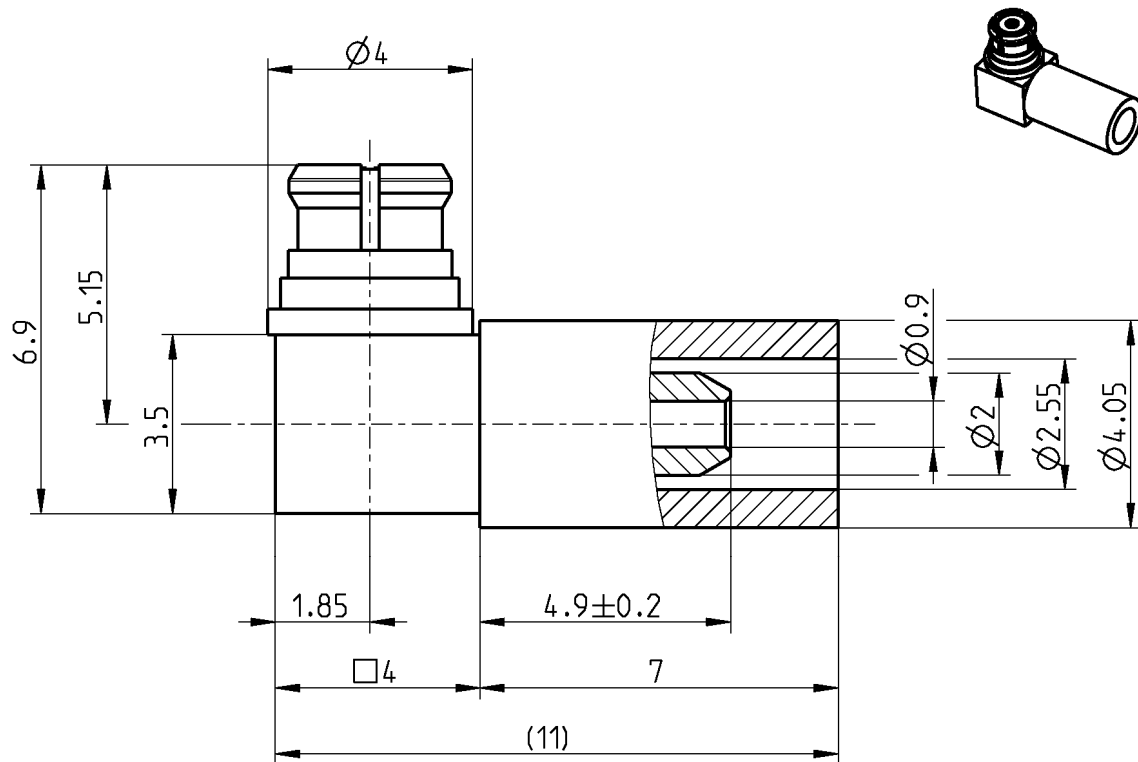




All dimensions are in mm; tolerances acc. ISO 2768 m-H

Interface

According to MIL-STD-348

Documents

Assembly instruction 19C1

Material and plating

Non-magnetic version

Connector parts

Center contact
Outer contact
Body
Dielectric
Crimping ferrule

Material

CuBe
CuBe
Spring bronze
PTFE
Brass

Plating

AuroDur®, gold plated
AuroDur®, gold plated
AuroDur®, gold plated
AuroDur®, gold plated

TECHNICAL DATA SHEET

Rosenberger

SMP RIGHT ANGLE JACK

19K202-301L5-NM

Electrical data

Impedance	50 Ω
Frequency	DC to 26.5 GHz
Return loss	≥ 20 dB, DC to 2 GHz ≥ 15 dB, 2 to 12 GHz
Insertion loss	≤ 0.1 x $\sqrt{f(\text{GHz})}$ dB, DC to 12 GHz
Insulation resistance	≥ 5 GΩ
Center contact resistance	≤ 6.0 mΩ
Outer contact resistance	≤ 2.0 mΩ
Test voltage	500 V rms
Working voltage	335 V rms
Contact Current	1.2A DC max.

- Limitations are possible due to the used cable type -

Mechanical data

Mating cycles	
if mating part is smooth bore	≥ 1000
if mating part is limited detent	≥ 500
if mating part is full detent	≥ 100
Center contact captivation	≥ 7 N
Engagement force	
- smooth bore	9 N max.
- limited detent	45 N max.
- full detent	68 N max.
Disengagement force	
- smooth bore	2.2 N min.
- limited detent	9 N min.
- full detent	22 N min.

Environmental data

Temperature range	-65°C to +155°C
Thermal shock	MIL-STD-202, Method 107, Condition B
Vibration	MIL-STD-202, Method 204, Condition B
Shock	MIL-STD-202, Method 213, Condition A
Moisture resistance	MIL-STD-202, Method 106
RoHS	compliant

Tooling

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

Suitable cables

RG 196 A/U, RG 178 B/U

Weight

Weight	1.1 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	Rev.	Engineering change number	Name	Date
F.Michelmann	15/07/08	J_Krautenbacher	13.07.16	d00	15-1629	I_Wallner	13.07.16
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			Page 2 / 2