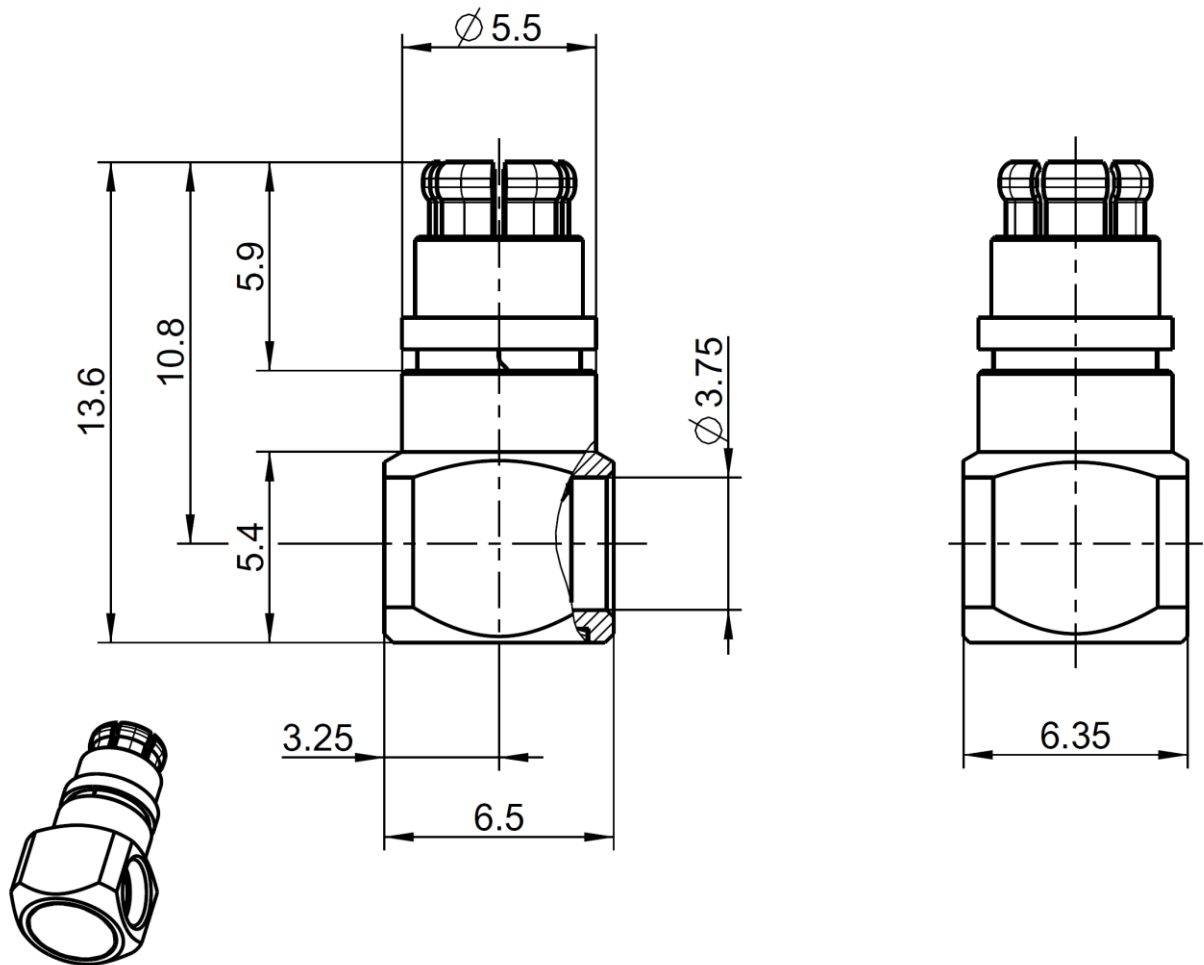




All dimensions are in mm; tolerances acc. to ISO 2768 m-H

Interface

According to

Rosenberger P-SMP

Documents

Assembly instruction

119 C1

Material and plating

Connector parts

Center contact
Outer contact
Body
Dielectric

Material

CuBe
CuBe
Brass
PTFE

Plating

AuroDur®, gold plated
Flash white bronze over silver(e.g. Optargen®)
Flash white bronze over silver(e.g. Optargen®)

Technical Data Sheet

Rosenberger

P-SMP

RIGHT ANGLE JACK

119K201-272N5

Electrical data

Impedance	50 Ω
Frequency	DC to 10 GHz
Return loss	≥ 31 dB @ DC to 4 GHz ≥ 20 dB @ 4 GHz to 6 GHz
Insertion loss	≤ 0.03 x $\sqrt{f \text{ [GHz]}}$ dB
Insulation resistance	≥ 5 GΩ
Center contact resistance	≤ 3 mΩ
Outer contact resistance	≤ 2 mΩ
Test voltage (at sea level)	1000 V rms
Working voltage (at sea level)	480 V rms
Power handling (at 20 °C, sea level, VSWR 1.0)	200 W @ 2.2 GHz
Intermodulation (3 rd order)	≥ 160 dBc (2 x 43 dBm)
- Limitations are possible due to the used cable type	

Mechanical data

Mating cycles	
if mating part is Smooth bore, Catchers mitt	≥ 1000
if mating part is Limited detent	≥ 100
if mating part is Full detent	≥ 100
Center contact captivation	≥ 7 N
Engagement force	
- Smooth bore, Catchers mit	≤ 10 N
- Limited detent	≤ 45 N
- Full detent	≤ 68 N
Disengagement force	
- Smooth bore, Catchers mit	≥ 2.2 N
- Limited detent	≥ 15 N
- Full detent	≥ 25 N
Permissible angular misalignment	4°

Environmental data

Temperature range	-65 °C to +165 °C
Rapid change of temperature	IEC 60169-1, Sub-clause 16.4 (-65 °C to +165 °C)
Vibration	IEC 60068-2-64 random
Shock	IEC 60068-2-27 (half-sine)
High temperature endurance	IEC 60169-1, Sub-clause 18 (+165°C, 1000 hours)
RoHS	compliant

Suitable cables

UT 141, RTK-FS 141

Weight

Weight 1.6 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
S. Mühlbacher	24.04.04	S. Muehlbacher	16.01.16	a00	16-s038	C_Vitzthum	19.01.16
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