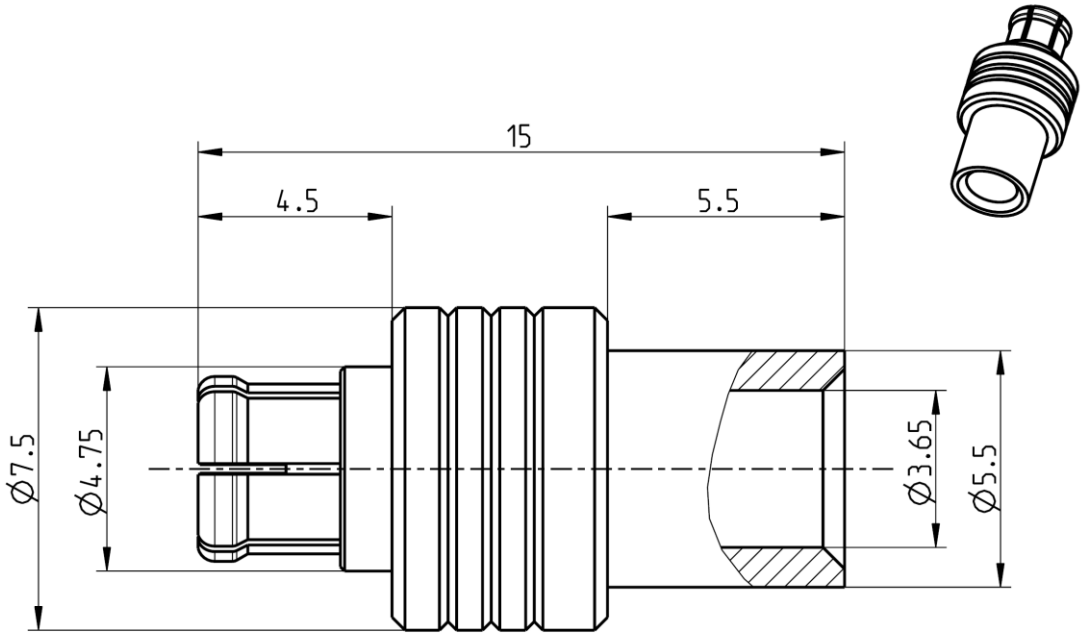
Technical Data Sheet		Rosenberger
P-SMP	Straight Jack	**119K101-272N5**



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

Interface

According to	Rosenberger P-SMP

Documents

Assembly instruction	19 E4

Material and plating

Connector parts	**Material**	**Plating**
Center contact	CuBe	AuroDur®, gold plated
Outer contact	CuBe	Flash white bronze over silver(e.g. Optargen®)
Dielectric	PTFE	

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Electrical data

Impedance	50 Ω
Frequency	DC to 10 GHz
Return loss	≥ 30 dB, DC to 3 GHz ≥ 25 dB, 3 to 6 GHz
Insertion loss	≤ 0.03 x $\sqrt{f(GHz)}$ dB
Insulation resistance	≥ 5 GΩ
Center contact resistance	≤ 3.0 mΩ
Outer contact resistance	≤ 2.0 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 (3rd order)	≥ 160 dBc (2 x 43 dBm)

Limitations are possible due to the applied 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: axial	≥ 7 N
Engagement force:	
- Smooth bore, Catchers mitt	≤ 10 N
- Limited detent	≤ 45 N
- Full detent	≤ 68 N
Disengagement force:	
- Smooth bore, Catchers mitt	≥ 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

Tooling

N/A

Suitable cables

UT 141, RTK-FS 141

Weight

Weight	2.13 g/pce

For the installation of the electrotechnical equipment, particular electrotechnical expertise is required.

Draft	Date	Approved	Date
Gramsamer Josef	03.11.09	Chr. Janßen	19.10.20

Rev.	Engineering change number	Name	Date
e00	20-1927	S. Huber-Siegl	19.10.20

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