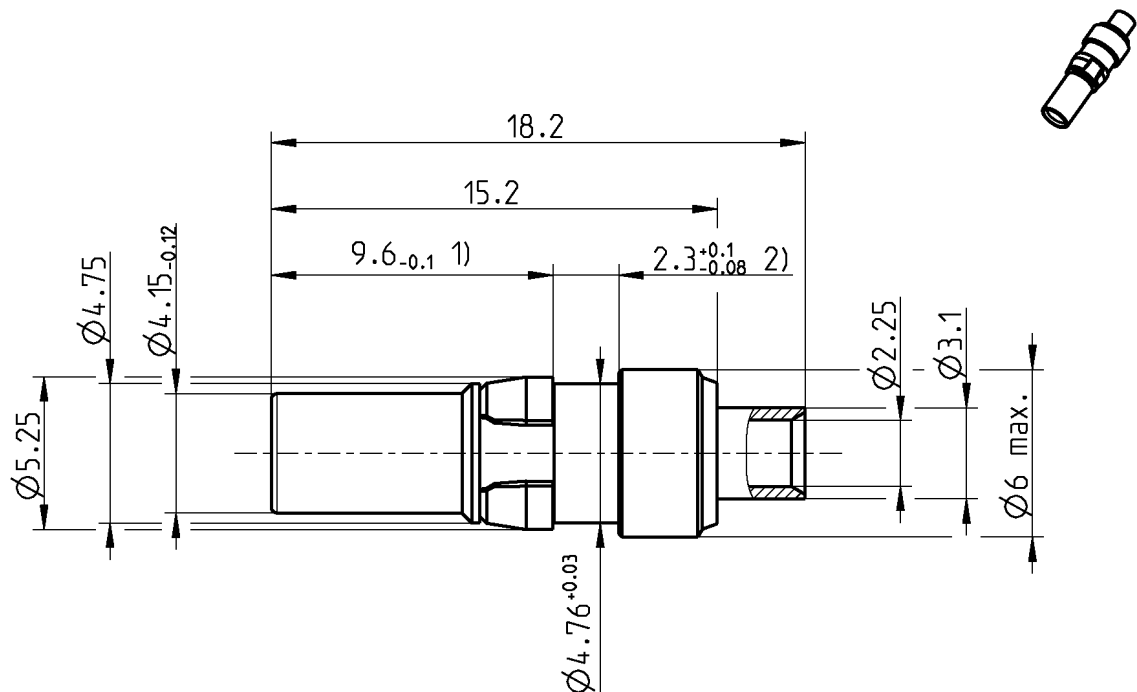




- 1) Measured when retaining clip is fully pushed towards contact area.
 2) The border dimension includes the necessary axial misalignment of the retaining clip.

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

Interface

According to DIN 41626/2, BS 9525 F0011

Documents

Assembly instruction 59 K

Material and plating

Connector parts

Center contact
 Outer contact
 Body
 Clip
 Dielectric

Material

CuBe
 Brass
 Brass
 CuBe
 PTFE

Plating

AuroDur®, gold plated
 AuroDur®, gold plated
 AuroDur®, gold plated
 Nickel, 2.5-5 µm

TECHNICAL DATA SHEET

Rosenberger

DIN 41626
Coax Insert STRAIGHT JACK

45K102-271L5

Electrical data

Impedance	50 Ω
Frequency	DC to 4 GHz
Return loss	≥ 26 dB, DC to 2 GHz ≥ 22 dB, 2 to 4 GHz
Insertion loss	≤ 0.05 x $\sqrt{f(\text{GHz})}$ dB,
Insulation resistance	≥ 200 MΩ
Center contact resistance	≤ 10 mΩ
Outer contact resistance	≤ 3 mΩ
Test voltage	750 V rms
Working voltage	250 V rms
RF-leakage	≥ 80 dB up to 0.5 GHz ≥ 65 dB up to 1.5 GHz

- Limitations are possible due the used cable type -

Mechanical data

Mating cycles	≥ 500
Center contact captivation	≥ 10 N
Connector captivation in plastic	≥ 52 N
Engaging and disengaging force	≤ 10 N

Environmental data

Temperature range	-55°C to +125°C
Climatic class	IEC 60068-2-1 55/125/21 IEC 60068-2-2 IEC 60068-2-3
RoHS	compliant

Tooling

N/A

Suitable cables

UT 85-M17, RG 405 /U

Weight

Weight	1.5 g/pce
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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
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