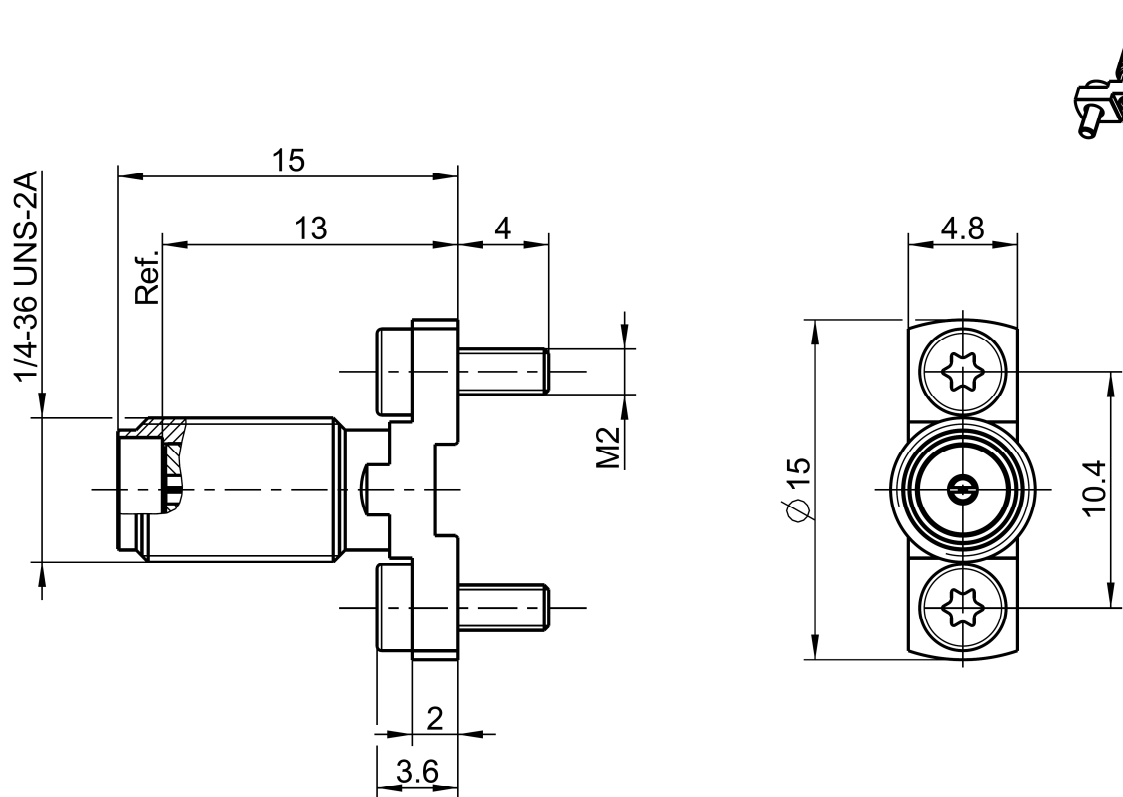




All dimensions are in mm; tolerances according to ISO 2768 m-H

Interface

According to
Mechanical compatible with
Center conductor
To mate with

IEC 60169-15, EN 122110, MIL-STD-348
RPC-2.92 and RPC-3.50
glued
99S205-40ML5, 99S2A5-40ML5

Documents

Datasheet

99S205-40ML5, 99S2A5-40ML5

Material and plating

Connector parts

Center contact
Outer contact
Dielectric
Screws
Glue

Material

CuBe
CuBe or equiv.
PTFE
Stainless steel
2 Component adhesive

Plating

Gold, min. 1.27 µm, over chemical nickel
AuroDur®, gold plated
Tuflok coating

TECHNICAL DATA SHEET

Rosenberger

SMA JACK
2-HOLE FLANGE

32K701-800L3

Electrical data

Impedance	50 Ω
Frequency	DC to 18 GHz
Return loss	≥ 25 dB, DC to 18 GHz
Insertion loss	≤ 0.01 x $\sqrt{f(\text{GHz})}$ dB
Insulation resistance	≥ 5 x10 ³ MΩ
Center contact resistance	≤ 3 mΩ
Outer contact resistance	≤ 2 mΩ
Test voltage	750 V rms
Working voltage	250 V rms

Mechanical data

Mating cycles	≥ 500
Center contact captivation: axial	≥ 27 N
radial	≥ 3 Ncm
Coupling test torque	max. 1.7 Nm
Recommended torque	0.8 Nm to 1.1 Nm
Recommended torque fastening screws	0.3 Nm

Environmental data

Temperature range	-55°C to +155°C
Thermal shock	MIL-STD-202, Meth. 107, Cond. B
Corrosion	MIL-STD-202, Meth. 101, Cond. B
Vibration	MIL-STD-202, Meth. 204, Cond. D
Shock	MIL-STD-202, Meth. 213, Cond. I
Moisture resistance	MIL-STD-202, Meth. 106
RoHS	compliant

Tooling

N/A

Suitable cables

N/A

Weight

2.45 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
Armin Maiwälder	21.10.15	A. Ofensberger	16.12.19	400	19-2358	A. Youmsi	16.12.19
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

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Rosenberger:](#)

[32K701-800L3](#)