



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

Interface

According to	IEC 60169-15, EN 122110, MIL-STD-348
Mechanical compatible with	RPC-2.92 and RPC-3.50
Center conductor	glued
To mate with	99S205-40ML5, 99S2A5-40ML5

Documents

Datasheet	99S205-40ML5, 99S2A5-40ML5
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Material and plating

Connector parts

Center contact	CuBe
Outer contact	CuBe or equiv.
Dielectric	PTFE
Screws	Stainless steel
Glue	2 Component adhesive

Material

Plating

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

**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 √f(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 Maiwalder	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