



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 x 10 <sup>3</sup> 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

**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**

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
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