



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

Interface

According to
Mechanically compatible with
Center conductor
To mate with

IEC 61169-35
RPC-3.50 and SMA
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

Tuflock coating

RPC-2.92 Jack
2-hole Flange

02K702-800L3

Electrical data

Impedance 50 Ω
 Frequency DC to 40 GHz
 Return loss ≥ 26 dB, DC to 4 GHz
 ≥ 23 dB, 4 GHz to 26.5 GHz
 ≥ 19 dB, 26.5 GHz to 40 GHz
 Insertion loss ≤ 0.01 x √f(GHz)dB
 Insulation resistance ≥ 5 GΩ
 Center contact resistance ≤ 3.0 mΩ
 Outer contact resistance ≤ 2.0 mΩ
 Test voltage 750 V rms
 Working voltage 250 V rms
 RF-leakage ≥ 100 dB up to 1 GHz

Mechanical data

Mating cycles ≥ 500
 Center contact captivation: axial ≥ 20 N
 Coupling test torque 1.70 Nm
 Recommended torque 0.80 Nm to 1.10 Nm
 Recommended torque fastening screws 0.3 Nm

Environmental data

Temperature range -40°C to +125°C
 Thermal shock MIL-STD-202, Method 107, Condition B
 Corrosion MIL-STD-202, Method 101, Condition B
 Vibration MIL-STD-202, Method 204, Condition D
 Shock MIL-STD-202, Method 213, Condition I
 Moisture resistance MIL-STD-202, Method 106
 RoHS compliant

Tooling

N/A

Suitable cables

N/A

Weight

3.5 g/pce

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Armin Maiwalder	13.01.14	A. Ofensberger	18.12.19	c00	22-0491	J. Rohloff	28.03.22
Rosenberger Hochfrequenztechnik GmbH & Co. KG P.O.Box 1260 D-84526 Tittmoning Germany www.rosenberger.de					Tel. : +49 8684 18-0 Fax : +49 8684 18-499 Email : info@rosenberger.de		Page 2 / 2