



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

Interface

According to
Mechanically compatible with
To mate with

IEC 61169-40
RPC-1.85
99S205-40ML5, 99S2A5-40ML5

Documents

Datasheet

99S205-40ML5, 99S2A5-40ML5

Material and plating

Connector parts

Center contact
Outer contact
Housing
Dielectric

Material

CuBe
Stainless steel
CuBe or equiv.
PEEK

Plating

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

RPC-2.40 LAUNCHER JACK
2-HOLE FLANGE

09K701-800L3

Electrical data

Impedance	50 Ω
Frequency	DC to 50 GHz
Return loss	≥ 17 dB, DC to 50 GHz
Insertion loss	≤ 0.03 x √f(GHz) dB
Insulation resistance	≥ 5 GΩ
Center contact resistance	≤ 4.0 mΩ
Outer contact resistance	≤ 2.5 mΩ
Test voltage	500 V rms
Working voltage	150 V rms

Mechanical data

Mating cycles	≥ 500
Center contact captivation	≥ 20 N
Coupling test torque	1.65 Nm
Recommended torque	0.80 Nm to 1.10 Nm

Environmental data

Temperature range	-40°C to +125°C
Thermal shock	IEC 61169-1, Subclause 9.4.4
Corrosion	IEC 61169-1, Subclause 9.4.6
Vibration	IEC 61169-1, Subclause 9.3.3
Shock	IEC 61169-1, Subclause 9.3.14
Moisture resistance	IEC 61169-1, Subclause 9.4.3
2002/95/EC (RoHS)	compliant

Packing

Weight	4.1 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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