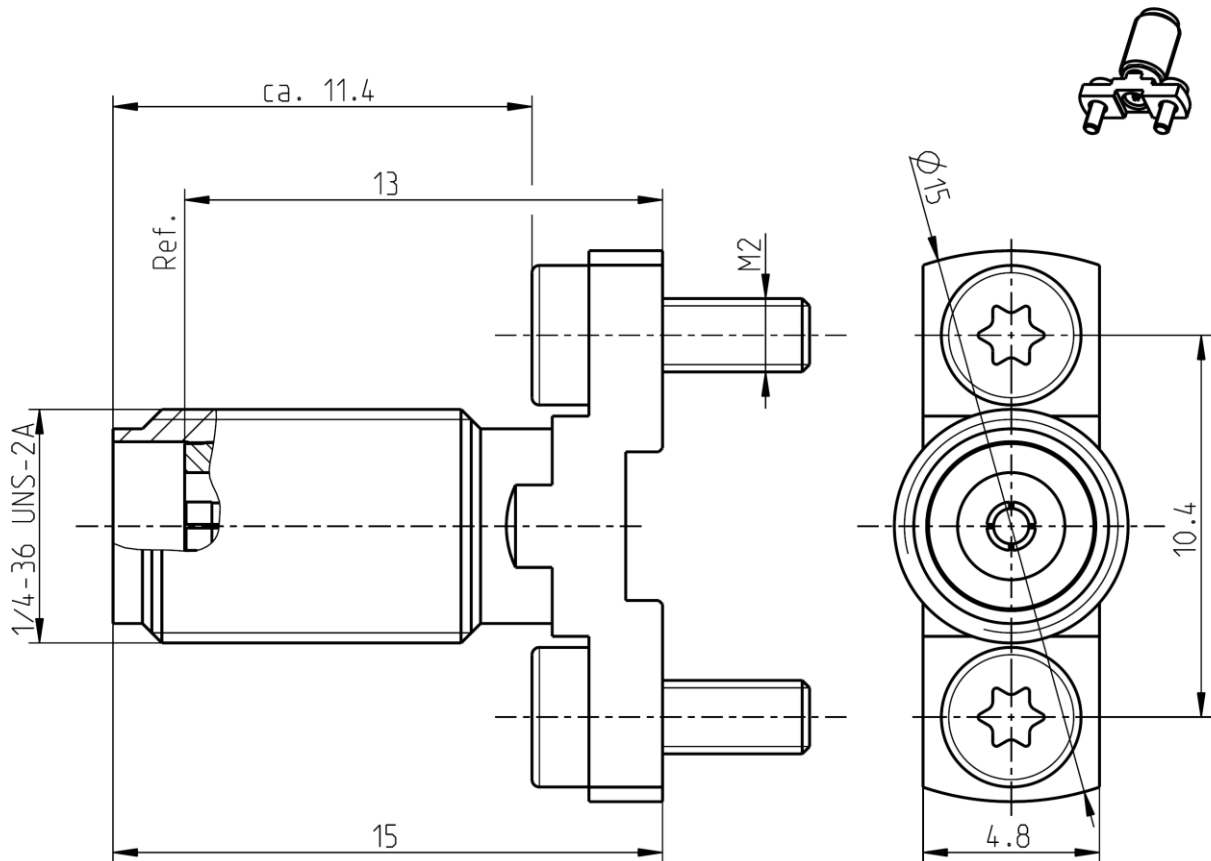


RPC-2.92

Jack
2-hole Flange

02K702-800L3



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

Technical Data Sheet				Rosenberger					
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							
Draft				Date		Approved		Date	
Armin Maiwlder				13.01.14		A. Ofensberger		18.12.19	
Rev.				Engineering change number		Name		Date	
c00				22-0491		J. Rohloff		28.03.22	
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