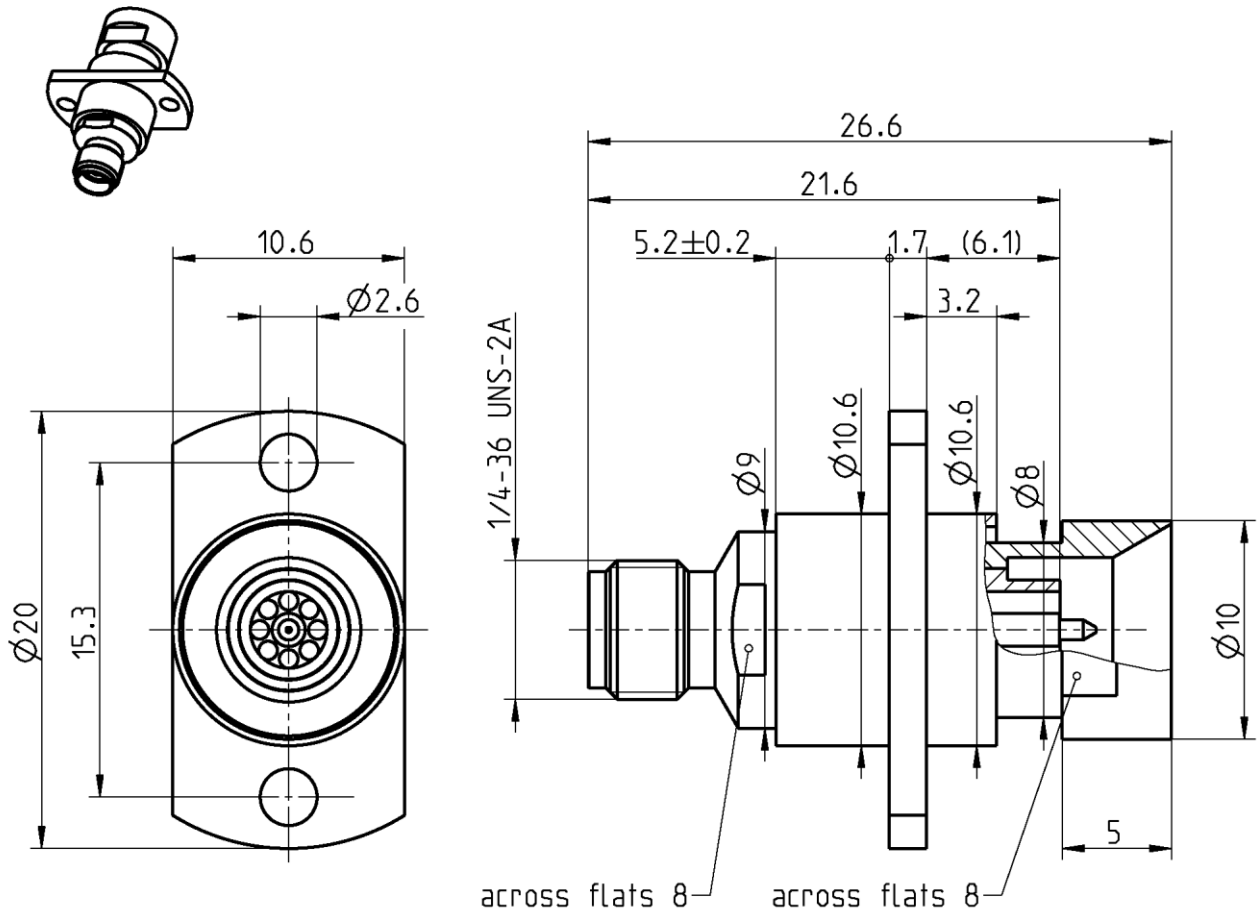


RPC-3.50

Floating Adaptor
jack - plug

03K721-S23S3



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

Interface

According to
Mechanically compatible with

IEC 60169-23
RPC-2.92 and SMA

Documents

N/A

Material and plating

Connector parts

Center contact
Outer contact
Flange
Dielectric

Material

CuBe
Stainless steel
Brass
PS

Plating

Gold, min. 1.27 µm, over chemical nickel
Passivated
Flash white bronze over silver(e.g. Optargen®)

Technical Data Sheet				Rosenberger			
RPC-3.50		Floating Adaptor jack - plug		03K721-S23S3			
Electrical data							
Impedance		50 Ω					
Frequency		DC to 26.5 GHz					
Return loss		≥ 26 dB, DC to 18 GHz					
		≥ 23 dB, 18 GHz to 26.5 GHz					
Insertion loss		≤ 0.04 x √f(GHz) dB					
Insulation resistance		≥ 5 GΩ					
Test voltage (at sea level)		1000 V rms					
Working voltage (at sea level)		335 V rms					
RF-leakage		≥ 100 dB up to 1 GHz					
Mechanical data							
Mating cycles		≥ 500					
Center contact captivation		≥ 27 N					
Coupling test torque		1.70 Nm					
Recommended torque		0.80 Nm to 1.10 Nm					
Misalignment		radial 0.7 mm min					
Spring force		min. 8 N at rest					
		max. 15 N at max. spring travel					
Spring travel		2.3 mm max.					
Environmental data							
Temperature range		-40°C to +85°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							
							9.6 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
H. Babinger	13.05.04	F. Reiner	26.06.18	e01	18-1026	M. Ruf	25.06.18
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