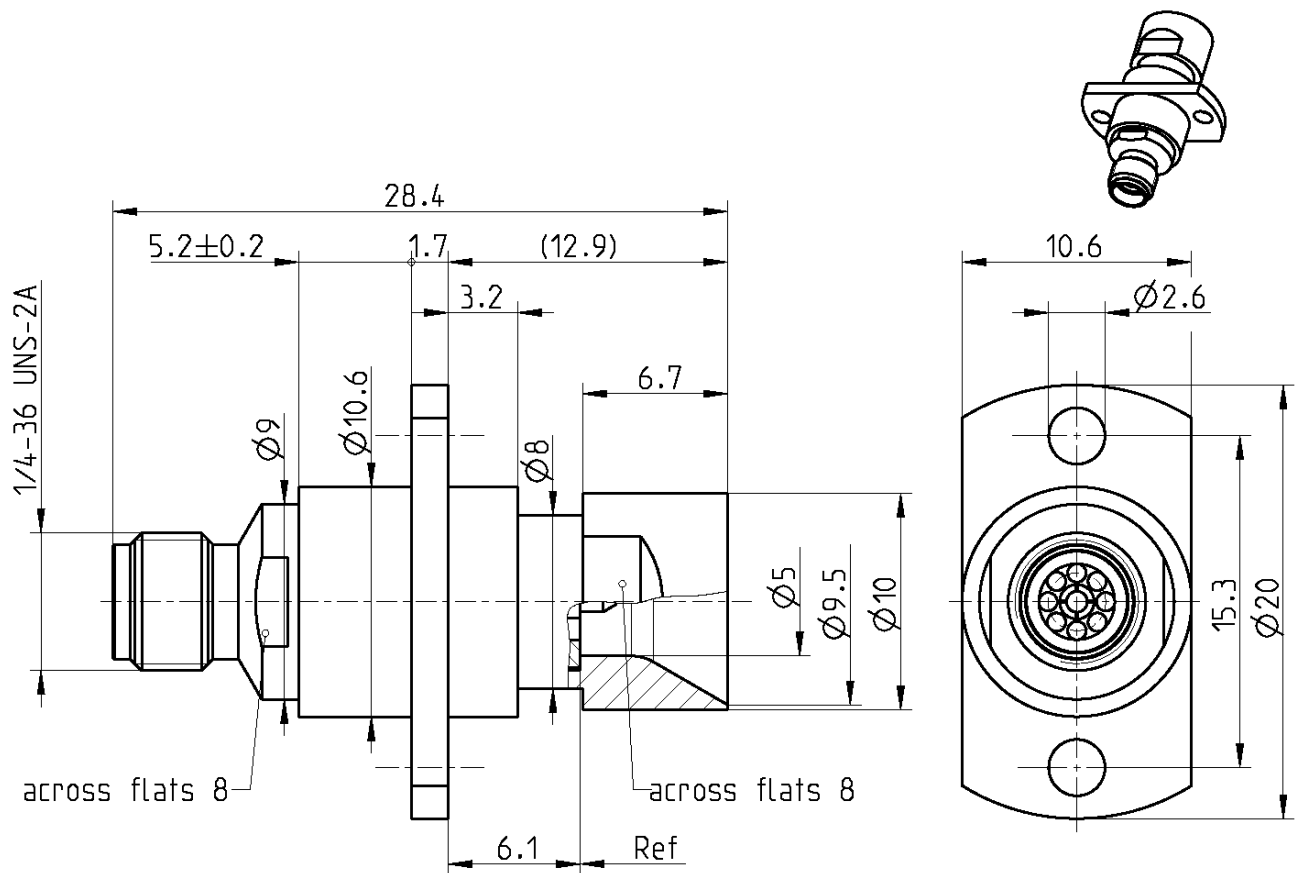




All dimensions are in mm; tolerances according to ISO 2768 m-H

Interface

RPC-3.50 according to
RPC-3.50 mechanically compatible with
QMA similar to

IEC 60169-23
RPC-2.92 and SMA
QLF® (Quick Lock Formula)
Rosenberger is an authorized QLF® manufacturer

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®)

Dieses Dokument ist urheberrechtlich geschützt • This document is protected by copyright • Rosenberger Hochfrequenztechnik GmbH & Co. KG
RF_35/09.14/6.2

Technical Data Sheet				Rosenberger			
Floating Adaptor RPC-3.50 jack – QMA plug				03K728-S22S3			
Electrical data							
Impedance		50 Ω					
Frequency		DC to 18 GHz					
Return loss		≥ 40 dB, DC to 2.5 GHz ≥ 28 dB, 2.5 GHz to 6 GHz ≥ 24 dB, 6 GHz to 18 GHz					
Insertion loss		≤ 0.05 x √f(GHz) dB					
Insulation resistance		≥ 5 GΩ					
Test voltage (at sea level)		1000 V rms					
Working voltage (at sea level)		335 V rms					
Mechanical data							
Mating cycles RPC-3.50		≥ 500					
Mating cycles QMA		≥ 1000					
Center contact captivation		≥ 27 N					
Coupling test torque RPC-3.50		1.70 Nm					
Recommended torque RPC-3.50		0.80 Nm to 1.10 Nm					
Engagement force QMA		N/A					
Disengagement force QMA		N/A					
Retention force for interface		N/A					
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							
		10.8 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	28.09.04	F. Reiner	26.06.18	e01	18-1026	M. Ruf	25.06.18
Rosenberger Hochfrequenztechnik GmbH & Co. KG P.O.Box 1260 D-84526 Tittmoning Germany www.rosenberger.de				Tel. : +49 8684 18-0 Email : info@rosenberger.de			Page 2 / 2

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Rosenberger:](#)

[03K728-S22S3](#)