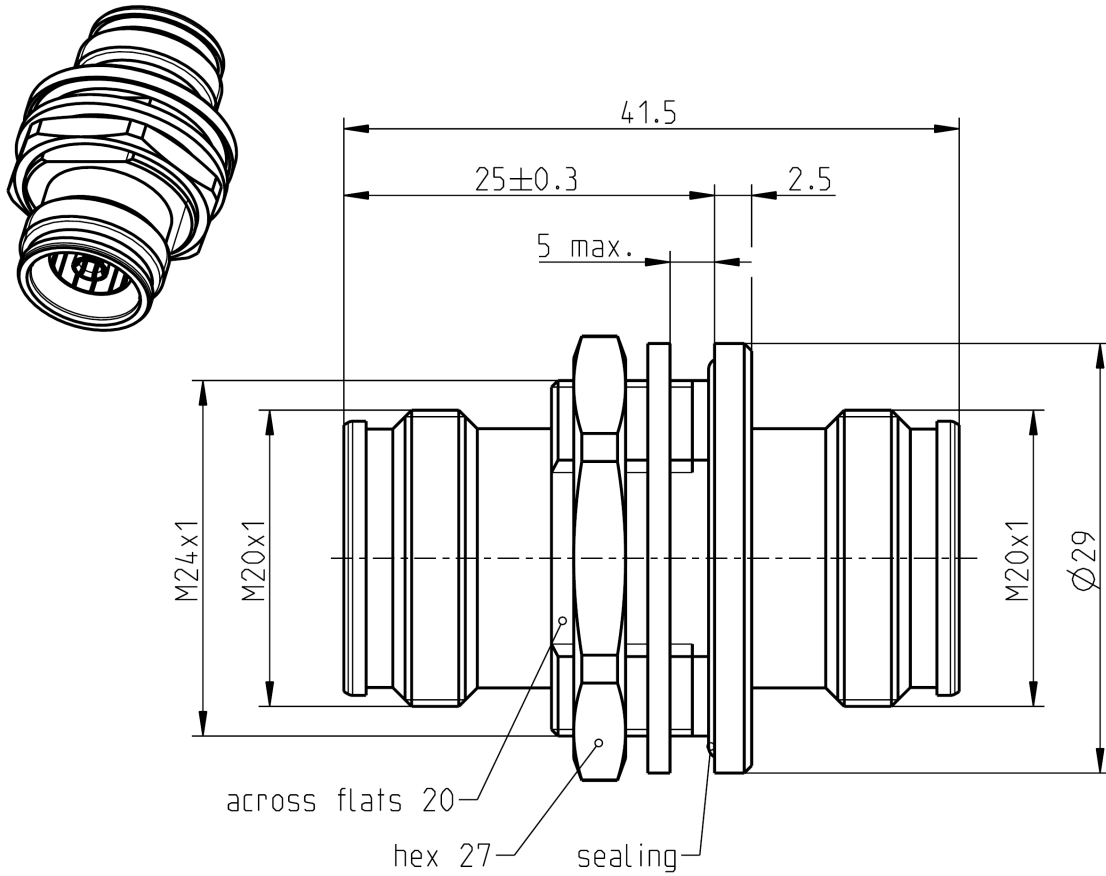


4.3-10

Adaptor
Bulkhead Jack - Jack

64K501-K00B1



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

Interface

According to IEC 61169-54

Documents

Panel piercing B 75a

Material and Plating

Connector parts

Center contact
Outer contact
Body
Dielectric

Material

CuBe
Brass
Brass
PTFE

Plating

Silver, 3-6 µm
Silver, 3-6 µm
White bronze(e.g. Optalloy®)

4.3-10

Adaptor
Bulkhead Jack - Jack

64K501-K00B1

Electrical Data

Impedance 50 Ω
 Frequency DC to 6 GHz
 Return loss ≥ 36 dB @ DC to 4 GHz
 ≥ 32 dB @ 4 GHz to 6 GHz
 Insertion loss ≤ 0.05 x √ f [GHz] dB
 Insulation resistance ≥ 5 GΩ
 Center contact resistance ≤ 1.0 mΩ
 Outer contact resistance ≤ 1.0 mΩ
 Test voltage 2500 V rms
 Working voltage 500 V rms
 RF-leakage ≥ 110 dB @ DC to 6 GHz for tool tightened plugs
 ≥ 90 dB @ DC to 3 GHz for tool-less plugs
 ≥ 70 dB @ DC 3 to 6 GHz for tool-less plugs
 Power handling (at 90 °C, altitude 3000m) 500 W @ 2.0 GHz
 Intermodulation (3rd order) ≥ 160 dBc (2 x 46 dBm) @ 0.4 – 4.0 GHz
 ≥ 166 dBc (2 x 43 dBm) @ 0.4 – 4.0 GHz
 -RL value only valid for the interface-

Mechanical Data

Mating cycles ≥ 100
 Center contact captivation: axial 30 N
 Center contact retention force 1.5 - 20 N
 Outer contact retention force 4 - 35 N
 Engagement force typ. 100 N
 Disengagement force typ. 80 N
 Recommended torque 5 Nm

Environmental Data

Temperature range -55 °C to +90 °C operating temperature
 Thermal shock IEC 60169-1, Sub-clause 16.4
 Corrosion resistance ISO 21207 method B
 Vibration IEC 61169-1 9.3.3 and IEC 60068-2-64
 Shock IEC 61169-1 9.3.14
 Degree of protection (mated pair) IEC 60529, IP68 1h / 25m
 RoHS compliant

Weight

Weight 75 g/pc

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
M. Wimmer	16.10.2014	J. Peteranderl	16.10.2014	100	14-v586	Nobis A.	16.10.2014
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	