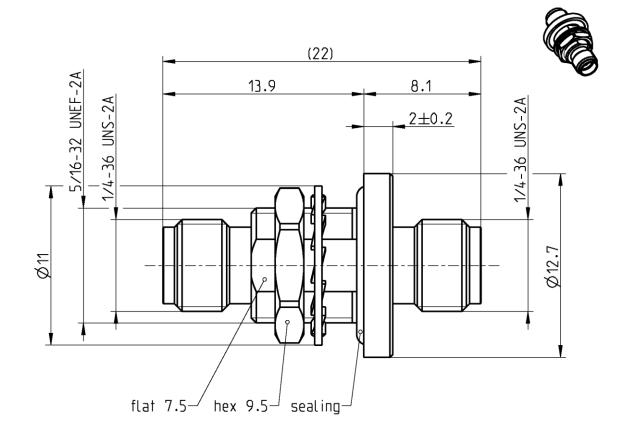
Technical Data Sheet Rosenberger SMA Adaptor Jack - Jack 32K101-KH0L5



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

Interface

According to

IEC 60169-15, EN 122110, MIL-STD-348A, Fig. 310

Documents

Panel piercing

B 58

Material and plating

Connector parts
Center contact

Material CuBe

Outer contact CuBe

CuBe or equiv.

Dielectric PTFE
Gasket Silicone
Glass seal Glass

Internal tooth lock washer Stainless steel

Plating

AuroDur®, gold plated AuroDur®, gold plated

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Electrical data

 $\begin{array}{ccc} \text{Impedance} & & 50 \ \Omega \\ \text{Frequency} & & \text{DC to} \end{array}$

Frequency DC to 18 GHz VSWR $\leq 1.12 + 0.018 \text{ x f } [\text{GHz}]$

 $\begin{array}{ll} \text{Insertion loss} & \leq 0.03 \text{ x } \sqrt{\text{f(GHz)}} \, \text{dB} \\ \text{Insulation resistance} & \geq 5 \text{ x} 10^3 \, \text{M}\Omega \end{array}$

 $\begin{array}{lll} & \geq 3 \times 10^{-1} \text{M}\Omega \\ & \geq 3 \times 10^{-1} \text{M}\Omega \\ & \text{Center contact resistance} & \leq 3 \text{ m}\Omega \\ & \text{Outer contact resistance} & \leq 2 \text{ m}\Omega \\ & \text{Test voltage} & 1000 \text{ V rms} \\ & \text{Working voltage} & 480 \text{ V rms} \\ \end{array}$

Power handling (at 20 °C, sea level, VSWR 1.0) \leq 200 W @ 2 GHz RF-leakage \geq 100 dB up to 1 GHz

Mechanical data

 $\begin{array}{lll} \text{Mating cycles} & & \text{min. 500} \\ \text{Center contact captivation: axial} & & \geq 27 \text{ N} \\ & & \text{radial} & & \geq 1 \text{ Ncm} \\ \end{array}$

Coupling torque

Standard: St. Steel, BeCu max. 1.7 Nm Recommended torque 0.8 Nm to 1.1 Nm

Coupling torque

Economy: CuZn max. 0.6 Nm

Recommended torque 0.5 Nm

Environmental data

Temperature range -55°C to +125°C
Thermal shock MIL-STD-202, Meth. 107, Cond. B
Corrosion MIL-STD-202, Meth. 101, Cond. B
Vibration MIL-STD-202, Meth. 204, Cond. D
Shock MIL-STD-202, Meth. 213, Cond. I

Moisture resistance MIL-STD-202, Meth. 106 Leakage rate $\leq 10^{-6}$ mbar x l/s

Pressure 2 N/mm² max.
RoHS compliant

Tooling

N/A

Suitable cables

N/A

Weight

Weight 6.49 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.

For the installation of the electrotechnical equipment, particular electrotechnical expertise is required.



Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
Schmid M.	08.03.07	Chr. Janßen	04.11.20	e00	20-1927	S. Huber-Siegl	04.11.20

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