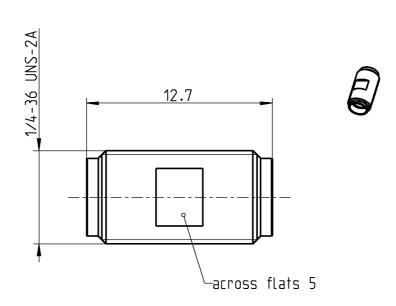
TECHNICAL DATA SHEET ADAPTOR SMA JACK – JACK Rosenberger 32K101-K00L5



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

Interface
According to
IEC 60169-15; EN 122110; MIL-STD-348

Documents N/A

Material and platingMaterialPlatingConnector partsCuBeAuroDur®, gold platedCenter contactCuBe or equiv.AuroDur®, gold platedDielectricPTFE

TECHNICAL DATA SHEET

Rosenberger

ADAPTOR SMA JACK - JACK

32K101-K00L5

Electrical data

Impedance 50 Ω

Frequency DC to 18 GHz
Return loss ≥ 35dB, DC to 5GHz

≥ 20dB, 5GHz to 19GHz

Insertion loss $\leq 0.03 \text{ x } \sqrt{f(GHz)} \text{ dB}$

 $\begin{array}{ll} \text{Insulation resistance} & \geq 5 \text{ x} 10^3 \text{ M}\Omega \\ \text{Center contact resistance} & \leq 3 \text{ m}\Omega \\ \text{Outer contact resistance} & \leq 2 \text{ m}\Omega \\ \text{Test voltage} & 1000 \text{ V rms} \\ \text{Working voltage} & 480 \text{ V rms} \\ \end{array}$

Power handling (at 20 °C, sea level, VSWR 1.0) ≤ 200 W @ 2 GHz

RF-leakage \geq 100 dB up to 1 GHz

Mechanical data

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

radial ≥ 3 Ncm

Coupling test torque max. 1.7 Nm
Recommended torque 0.8 Nm to 1.1 Nm

Environmental data

Temperature range -55°C to +155°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

RoHS compliant

Tooling

N/A

Suitable cables
N/A

Weight

Weight 2.45 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
Schmid M.	08/03/07	J_Krautenbacher	21.07.16		e00	15-1629	I_Wallner	21.07.16
Rosenberger Hochfrequenztechnik GmbH & Co. KG						el.: +49 8684 18-0		Page

P.O.Box 1260 D-84526 Tittmoning Germany www.rosenberger.de

email: info@rosenberger.de

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