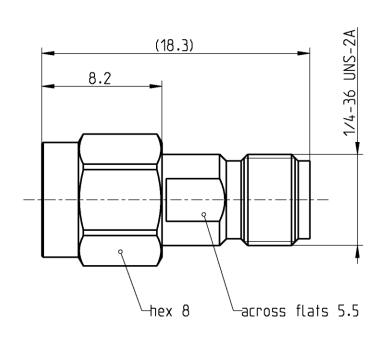
Technical Data Sheet		Rosenberger		
SMA	Adaptor Plug – Jack	32S105-K00L5		





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

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According to

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

Documents

N/A

Material and plating

Connector parts

Center contact Outer contact Dielectric Gasket

Coupling nut

Material **Plating**

AuroDur®, gold plated CuBe CuBe or equiv. AuroDur®, gold plated

PTFE Silicone

CuBe or equiv.

Gold, 0.1 µm

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Technical Data Sheet		Rosenberger		
SMA	Adaptor Plug – Jack	32S105-K00L5		

Electrical data

Impedance 50 Ω

Frequency DC to 18 GHz
Returm loss \geq 35dB DC to 4GHz \geq 24dB 4GHz to 8GHz

 \geq 20dB 8 GHz to 18 GHz

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

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

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

Mating cyclesmin. 500Coupling nut retention \geq 270 NCenter contact captivation: axial
radial \geq 27 N

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

Environmental data

Temperature range -65°C to +165°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

N/A

N/A

Moisture resistance MIL-STD-202, Meth. 106

RoHS compliant

Tooling

Suitable cables

Weight

Weight 3.97 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
Rong Fang	30.03.04	Chr. Janßen	16.11.20	f00	20-1927	S. Huber-Siegl	16.11.20

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