



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

N/A

Material and plating

Connector parts

- Center contact
- Outer contact
- Dielectric
- Gasket
- Coupling nut

Material

- Brass
- Stainless steel
- PTFE
- Silicone
- CuBe or equivalent

Plating

- AuroDur®, gold plated
- Gold, 0.1 µm min.
- Gold, 0.1 µm

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RF_35/09.14/6.2

Technical Data Sheet

Rosenberger

SMA

Adaptor
Plug - Plug

32S103-S00L5

Electrical data

Impedance	50 Ω
Frequency	DC to 18 GHz
VSWR	≤ 1.05 + 0.005 x f [GHz]
Insertion loss	≤ 0.03 x √f(GHz) dB
Insulation resistance	≥ 5 x 10 ³ MΩ
Center contact resistance	≤ 3 mΩ
Outer contact resistance	≤ 2 mΩ
Test voltage	1000 V rms
Working voltage	480 V rms
Power handling (at 20 °C, sea level, VSWR 1.0)	≤ 200 W @ 2 GHz
RF-leakage	≥ 100 dB up to 1 GHz

Mechanical data

Mating cycles	min. 500
Coupling nut retention	≥ 270 N
Center contact captivation: axial	≥ 27 N
radial	≥ 3 Ncm
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
Moisture resistance	MIL-STD-202, Meth. 106
RoHS	compliant

Tooling

N/A

Suitable cables

N/A

Weight

Weight 5.86 g/pce

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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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