



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

Interface

According to	TNC side:	IEC 60169-17, MIL-PRF-39012, DIN EN 122200
	SMA side:	IEC 60169-15; EN 122110; MIL-STD-348A, Fig. 310

Documents

N/A

Material and plating

Connector parts

- Center contact
- Outer contact TNC side
- Outer contact SMA side
- Dielectric

Material

- CuBe
- Brass
- CuBe or equiv.
- PTFE

Plating

- AuroDur®, gold plated
- Nickel, 2.5-5 µm
- AuroDur®, gold plated

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RF_35/05.10/6.0

Technical Data Sheet

Rosenberger

TNC 50 Ω

ADAPTOR
JACK – SMA JACK

56K132-K00L5

Electrical data

Impedance	50 Ω	
Frequency	DC to 10 GHz	
Return loss	≥ 35 dB, DC to 2 GHz	
	≥ 30 dB, 2 to 3 GHz	
	≥ 25 dB, 3 to 4 GHz	
Insertion loss	≤ 0.05 dB, DC to 4 GHz	
Insulation resistance	≥ 5 GΩ	
Center contact resistance	≤ 1.5 mΩ, TNC side;	≤ 3 mΩ, SMA side
Outer contact resistance	≤ 1 mΩ, TNC side;	≤ 2 mΩ, SMA side
Test voltage (at sea level)	1000 V rms	
Working voltage (at sea level)	480 V rms	
Power handling (at 20 °C, sea level, VSWR 1.0)	≤ 80 W @ 2 GHz	

Mechanical data

	TNC side	SMA side
Mating cycles	min. 500	min. 500
Center contact captivation: axial	≥ 27 N	≥ 27 N
Coupling test torque	max. 1.7 Nm	max. 1.7 Nm
Recommended torque	0.46 Nm to 0.69 Nm	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. B
Shock	MIL-STD-202, Meth. 213, Cond. G
Moisture resistance	MIL-STD-202, Meth. 106
RoHS	compliant

Tooling

N/A

Suitable cables

N/A

Weight

Weight 9.2 g/pce

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Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
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