



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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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

Mating cycles	TNC side min. 500	SMA side min. 500
Center contact captivation: axial	≥ 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

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
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