



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

**Interface**

According to N side: IEC 61169-16, MIL-PRF-39012, CECC 22210  
SMA side: IEC 60169-15; EN 122110; MIL-STD-348A, Fig. 310

**Documents**

N/A

**Material and plating**

**Connector parts**

Center contact  
Outer contact N side  
Outer contact SMA side  
Dielectric  
Gasket

**Material**

CuBe  
Brass  
CuBe or equiv.  
PTFE  
Silicone

**Plating**

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

N 50 Ω

Adaptor  
N 50 Ω Plug – SMA Jack

**53S132-K00L5**

**Electrical data**

Impedance	50 Ω	
Frequency	DC to 12 GHz	
Return loss	≥ 40 dB, DC to 2 GHz	
	≥ 35 dB, 2 to 5 GHz	
	≥ 25 dB, 5 to 12 GHz	
Insertion loss	≤ 0.05 dB	
Insulation resistance	≥ 5 x10 <sup>3</sup> MΩ	
Center contact resistance	≤ 1 mΩ, N side	≤ 3 mΩ, SMA side
Outer contact resistance	≤ 0.25 mΩ, N side	≤ 2 mΩ, SMA side
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**

	N side	SMA side
Mating cycles	min. 500	min. 500
Coupling nut retention	≥ 450 N	N/A
Center contact captivation: axial	≥ 28 N	≥ 28 N
Coupling test torque	max. 1.7 Nm	max. 1.7 Nm
Recommended torque	0.7 Nm to 1.1 Nm	0.8 Nm to 1.1 Nm
Recommended torque	0.7 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 27 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
Inge Mühlauer	08.06.04	Chr. Janßen	26.01.21	d00	20-1927	S. Huber-Siegl	26.01.21
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