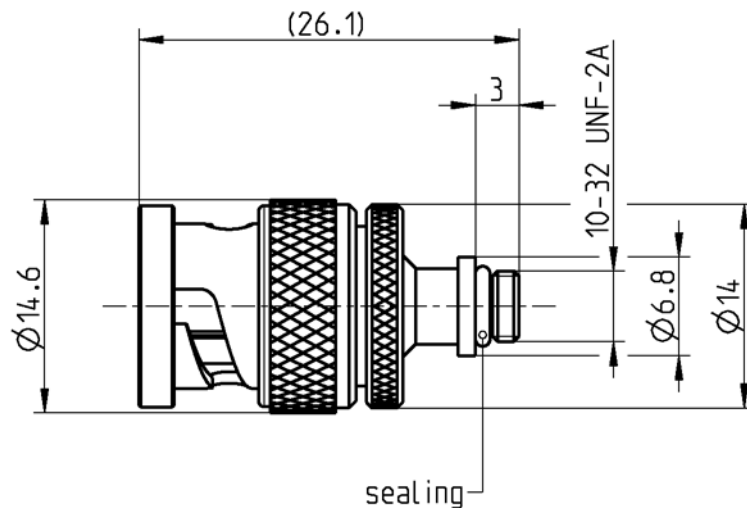




All dimensions are in mm; tolerances according to ISO 2768 m-H

Interface

According to BNC side: IEC 60169-8, MIL-PRF-39012, CECC 22120
 Microdot side: specification of MALCO INC.(USA)

Documents

N/A

Material and plating

Connector parts

Center contact BNC and Microdot side
 Outer contact BNC and Microdot side
 Body
 Dielectric
 Gasket
 Gasket

Material

CuBe
 Brass
 Brass
 PTFE
 NeopreneCR 50C6
 Silicone

Plating

AuroDur®, gold plated
 Flash white bronze over silver(e.g. Optargen®)
 Flash white bronze over silver(e.g. Optargen®)

ADAPTOR
BNC 50 Ω PLUG – MICRODOT JACK
51S131-K00N5**Electrical data**

Impedance	50 Ω	
Frequency	DC to 2 GHz	
Return loss	≥ 25 dB, DC to 1 GHz	
	≥ 15 dB, 1 to 2 GHz	
Insertion loss	≤ 0.1 x $\sqrt{f}$ [GHz] dB	
Insulation resistance	≥ 5 x 10 ³ MΩ	
Center contact resistance	≤ 1.5 mΩ, BNC side;	≤ 3 mΩ, Microdot side
Outer contact resistance	≤ 1 mΩ, BNC side;	≤ 3 mΩ, Microdot side
Test voltage	1000 V rms	
Working voltage	400 V rms	
Contact current (DC)	≤ 3 A typ.	

Mechanical data

	BNC side	Microdot side
Mating cycles	min. 500	min. 500
Center contact captivation: axial	≥ 15 N	≥ 15 N

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. B
Shock	MIL-STD-202, Meth. 213, Cond. G
Moisture resistance	MIL-STD-202, Meth. 106
2002/95/EC (RoHS)	compliant

Tooling

N/A

Suitable cables

N/A

Packing

Standard	1 pce in bag
Weight	13.4 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
Chr. Entfellner	17/07/08	J. Krautenbacher	17/07/08	d00	07-0154	S. Huber-Siegl	17/07/08
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