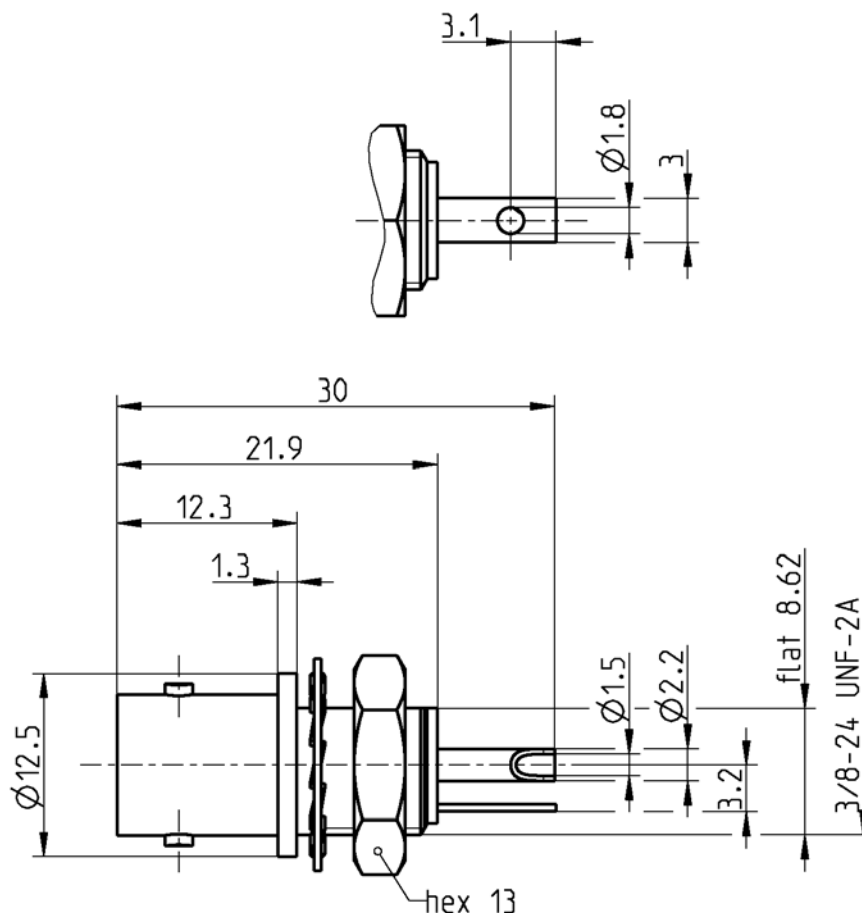




All dimensions are in mm; tolerances according to ISO 2768 m-H

Interface

According to

IEC 60169-8, MIL-PRF-39012, CECC 22120

Documents

Panel piercing

B 2

Material and plating

Connector parts

Center contact
Outer contact
Body
Dielectric
Solder tag

Material

CuBe
Brass
Brass
PP
Brass

Plating

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

Silver, 3-6 μ m

TECHNICAL DATA SHEET

Rosenberger®

**BNC 50 Ω BULKHEAD JACK
SOLDER END**

51K553-200N5

Electrical data

Impedance	50 Ω
Frequency	DC to 10 GHz
Insertion loss	$\leq 0.05 \times \sqrt{f \text{ [GHz]}} \text{ dB}$
Insulation resistance	$\geq 5 \times 10^3 \text{ M}\Omega$
Center contact resistance	$\leq 1.5 \text{ m}\Omega$
Outer contact resistance	$\leq 1 \text{ m}\Omega$
Test voltage	1500 V rms
Working voltage	400 V rms
Power handling (at 20 °C, sea level, VSWR 1.0)	$\leq 80 \text{ W @ 2 GHz}$

Mechanical data

Mating cycles	min. 500
Center contact captivation: axial	$\geq 15 \text{ N}$

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	7.9 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. Entsfellner	10/07/08	J. Krautenbacher	10/07/08	d00	07-0154	S. Huber-Siegl	10/07/08

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