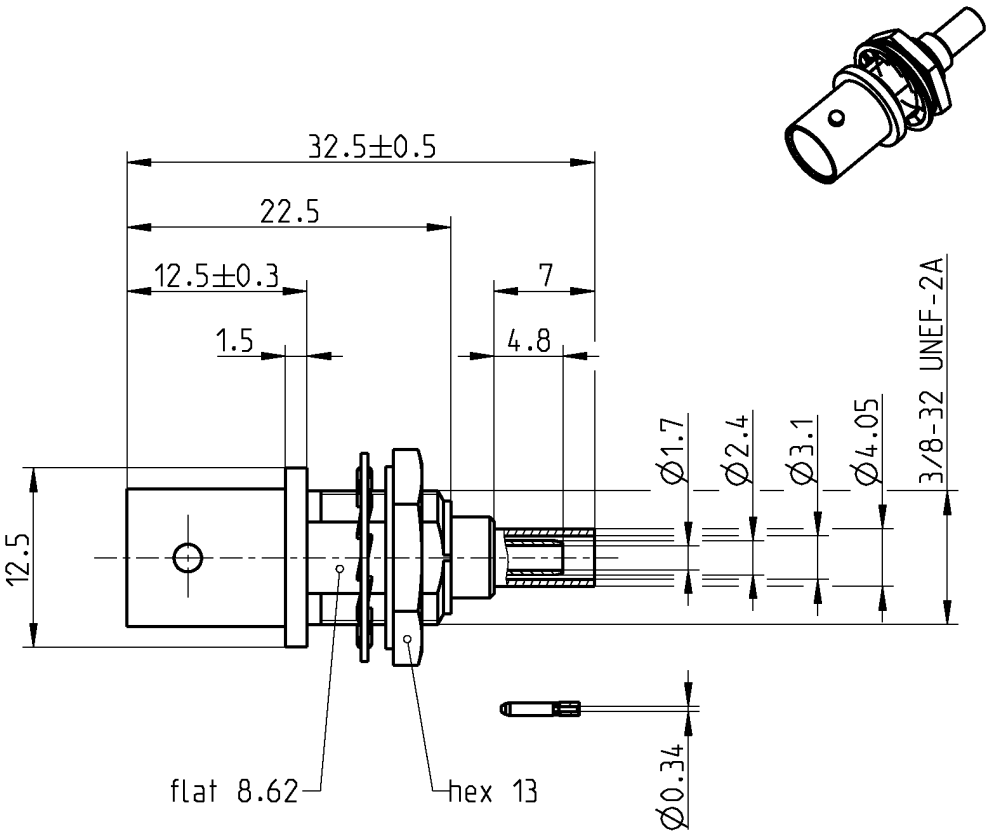
Technical Data Sheet		Rosenberger
BNC 75 Ω	BULKHEAD JACK	**71K507-802N5**



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

Interface

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

Documents

Assembly instruction	51 T
Panel piercing	B 2

Material and plating

Connector parts	**Material**	**Plating**
Center contact	CuBe	AuroDur®, gold plated
Outer contact	Brass	White bronze(e.g. Optalloy®)
Body	Brass	Flash white bronze over silver(e.g. Optargen®)
Dielectric	PTFE	
Crimping ferrule	Copper	Flash white bronze over silver(e.g. Optargen®)

Rosenberger Hochfrequenztechnik GmbH & Co. KG
P.O.Box 1260 D-84526 Tittmoning Germany
www.rosenberger.de

Tel. : +49 8684 18-0
Fax : +49 8684 18-499
Email : info@rosenberger.de

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Electrical data

Impedance	75 Ω
Frequency	DC to 4 GHz
Return loss	≥ 30 dB @ DC to 1 GHz ≥ 23 dB @ 1 GHz to 2 GHz ≥ 18 dB @ 2 GHz to 4 GHz
Insertion loss	$\leq 0.05 \times \sqrt{f\ [GHz]}$ dB @ DC to 4 GHz
Insulation resistance	≥ 5 GΩ
Center contact resistance	≤ 1.5 mΩ
Outer contact resistance	≤ 1 mΩ
Test voltage (at sea level)	1500 V rms
Working voltage (at sea level)	400 V rms
Power handling (at 20 °C, sea level, VSWR 1.0)	80 W @ 2 GHz

- Limitations are possible due to the used cable type

Mechanical data

Mating cycles	≥ 500
Center contact captivation: axial	≥ 15 N

Environmental data

Temperature range	-65 °C to +165 °C
Thermal shock	MIL-STD-202, Method 107, Condition B
Corrosion resistance	MIL-STD-202, Method 101, Condition B
Vibration	MIL-STD-202, Method 204, Condition B
Shock	MIL-STD-202, Method 213, Condition G
Moisture resistance	MIL-STD-202, Method 106
RoHS	compliant

Tooling

Crimping tool	11W150-000
Crimp insert	11W150-402

Suitable cables

RG 179 B/U, RG 187 A/U

Weight

Weight	9.3 g/pce

Draft	Date	Approved	Date
E. Schwangler	08.02.11	Sa. Krautenbacher	21.03.14

Rev.	Engineering change number	Name	Date
b00	14-0352	T. Krojer	21.03.14

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