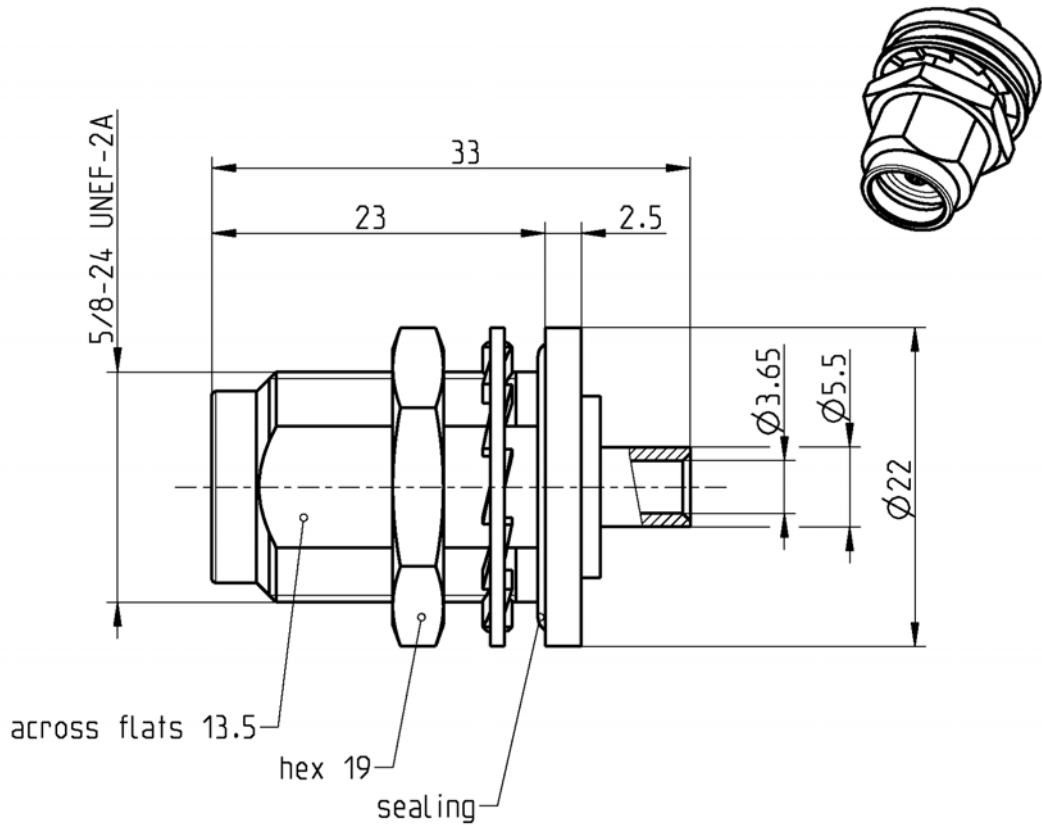


SnapN  
50 Ω BULKHEAD JACK

53QK501-272N5



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

**Interface**

According to IEC 60169-16, MIL-PRF-39012, CECC 22210

**Documents**

Assembly instruction 53 T2  
Panel piercing B 13

**Material and plating**

Connector parts	Material	Plating
Center contact	Spring bronze	AuroDur, gold plated
Outer contact	Brass	White bronze(e.g. Optalloy®)
Body	Brass	White bronze(e.g. Optalloy®)
Dielectric	PTFE	
Gasket	NBR	
Solder socket	Brass	Silver, 3-6 µm

SnapN  
50 Ω BULKHEAD JACK

53QK501-272N5

**Electrical data**

Impedance	50 Ω
Frequency	DC to 11 GHz
Return loss	≥ 32 dB, DC to 2 GHz ≥ 25 dB, 2 to 5 GHz ≥ 20 dB, 5 to 8 GHz
Insertion loss	≤ 0.05 dB x √ f [GHz]
Insulation resistance	≥ 5 x10 <sup>3</sup> MΩ
Center contact resistance	≤ 1.0 mΩ
Outer contact resistance	≤ 1.0 mΩ
Test voltage	2500 V rms
Working voltage	1400 V rms
RF-leakage	≤ -90 dB, 100 MHz to 3 GHz ≤ -80 dB, 3 GHz to 6 GHz
Intermodulation (3 <sup>rd</sup> order)	≤ -155 dBc @ 1.8 GHz (2 x 43 dBm)

- Limitations are possible due to the used cable type -

**Mechanical data**

Mating cycles	min. 200
Engagement force	30 N (typ.)
Disengagement force	30 N (typ.)

**Environmental data**

Temperature range	-40°C to +125°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. A
Shock	MIL-STD-202, Meth. 213, Cond. I
Moisture resistance 2002/95/EC (RoHS)	MIL-STD-202, Meth. 106 compliant

**Tooling**

Crimping tool	N/A
Crimp insert	N/A

**Suitable cables**

UT 141

**Packing**

Standard	50 pcs in bag
Weight	35 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
A. Fellner	17.03.05	A. König	27/03/07	c00	07-0154	A. Fellner	27/03/07
Rosenberger Hochfrequenztechnik GmbH & Co. KG P.O.Box 1260 D-84526 Tittmoning Germany <a href="http://www.rosenberger.de">www.rosenberger.de</a>					Tel.: +49 8684 18-0 Fax: +49 8684 18-499 email: <a href="mailto:info@rosenberger.de">info@rosenberger.de</a>		Page 2 / 2