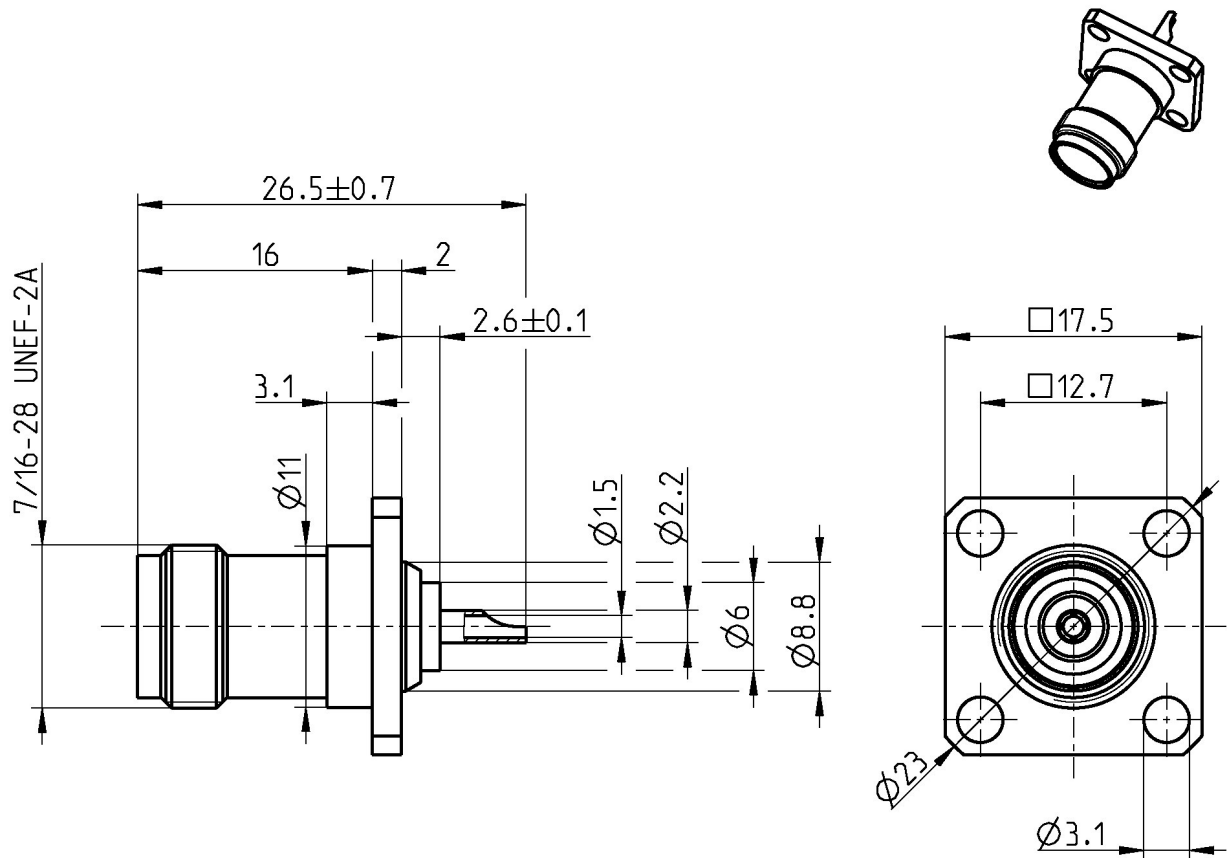




All dimensions are in mm; tolerances according to ISO 2768 m-H

Interface

According to

IEC 60169-17, MIL-PRF-39012, DIN EN 122200

Documents

Panel piercing

B 6

Material and plating

Connector parts

Center contact
Outer contact
Body
Dielectric

Material

Beryllium copper
Brass
Brass
PTFE

Plating

Gold, min. 1.27 µm, over chemical nickel
Flash white bronze over silver(e.g. Optargen®)
Flash white bronze over silver(e.g. Optargen®)

TECHNICAL DATA SHEET

Rosenberger®

TNC 50 Ω PANEL JACK
SOLDER END

56K404-200N4

Electrical data

Impedance	50 Ω
Frequency	DC to 10 GHz
Return loss	≥ 35 dB, DC to 1 GHz
	≥ 25 dB, 1 to 2.5 GHz
	≥ 20 dB, 2.5 to 4 GHz
Insertion loss	≤ 0.05 dB, DC to 4 GHz
Insulation resistance	≥ 5 x10 ³ MΩ
Center contact resistance	≤ 1.5 mΩ
Outer contact resistance	≤ 1 mΩ
Test voltage	1500 V rms
Working voltage	500 V rms
Power handling (at 20 °C, sea level, VSWR 1.0)	≤ 80 W @ 2 GHz

Mechanical data

Mating cycles	min. 500
Center contact captivation: axial	≥ 15 N
Coupling test torque	max. 1.7 Nm
Recommended torque	0.46 Nm to 0.69 Nm

Environmental data

Temperature range	-65°C to +165°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

Tooling

N/A

Suitable cables

N/A

Packing

Standard	1 pce in bag
Weight	9.9 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
Inge Mühlauer	10/08/04	Chr. Entsfellner	21/02/05	a00	04-0130	Rong Fang	26/01/05

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