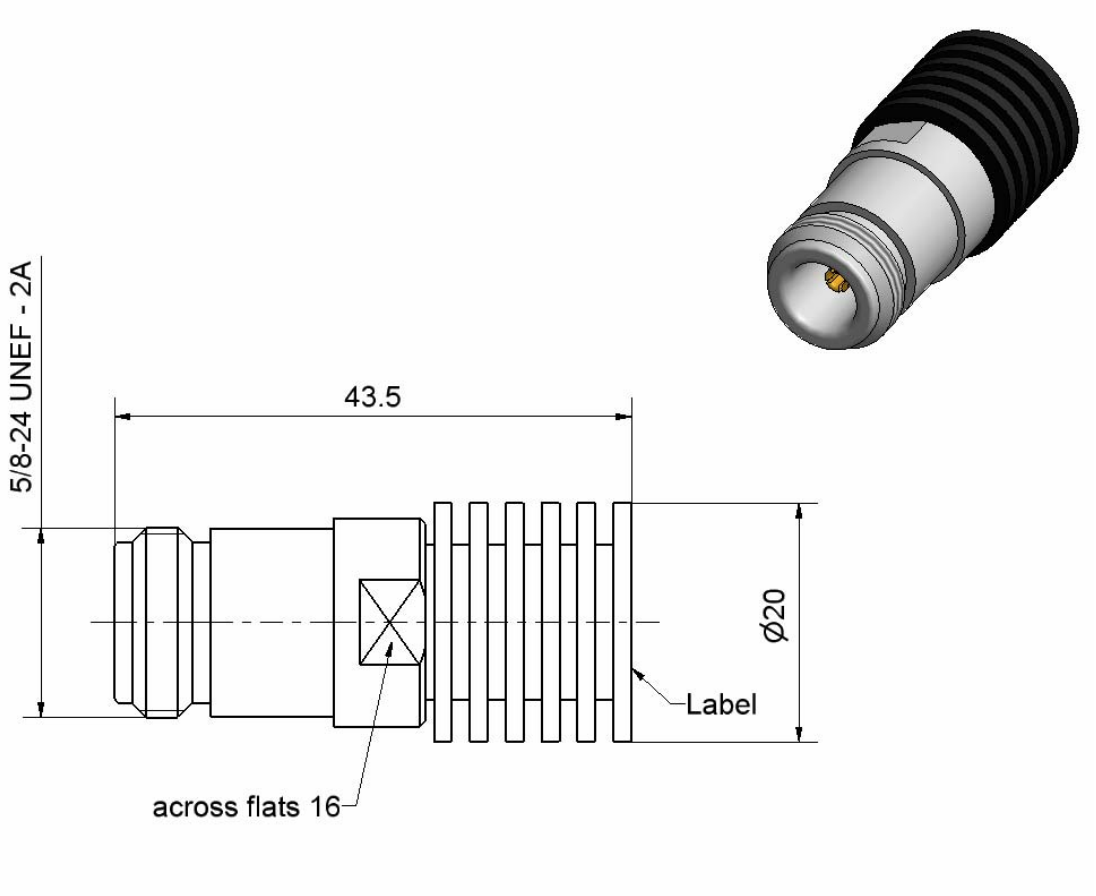
TECHNICAL DATA SHEET	Rosenberger®
N 50 Ω TERMINATION JACK 5 WATT	**53K15R-005N3**



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

Interface

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

Documents

N/A

Material and plating

Connector parts	**Material**	**Plating**
Center contact	Beryllium copper	Gold, min. 1.27 µm, over nickel
Outer contact	Brass	Flash white bronze over silver(e.g. Optargen®)
Heatsinks	Al	Black anodized
Dielectric	PTFE	
Substrate	ALN	

RF_35/12.04/3.0

TECHNICAL DATA SHEET	Rosenberger®
N 50 Ω TERMINATION JACK 5 WATT	**53K15R-005N3**

Electrical data

Impedance	50 Ω
Frequency	DC to 3 GHz
Return loss	≥ 20.8 dB, DC to 3 GHz
Center contact resistance	≤ 1 mΩ
Outer contact resistance	≤ 0.25 mΩ
Power handling	5 W at 25°C derated linearity to 0 Watts at 125°C

Mechanical data

Mating cycles	min. 500
Center contact captivation:	≥ 28 N
Coupling test torque	max. 1.7 Nm
Recommended torque	0.7 Nm to 1.1 Nm

Environmental data

Temperature range	-65°C to +125°C

Tooling

N/A

Suitable cables

N/A

Packing

Standard	1 pce in bag
Weight	45 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
Kerstin Herzog	21/07/05	Frank Weiß	05/08/05

Rev.	Engineering change number	Name	Date
a00	04-0130	Siegmar Hoyer	26/07/05

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