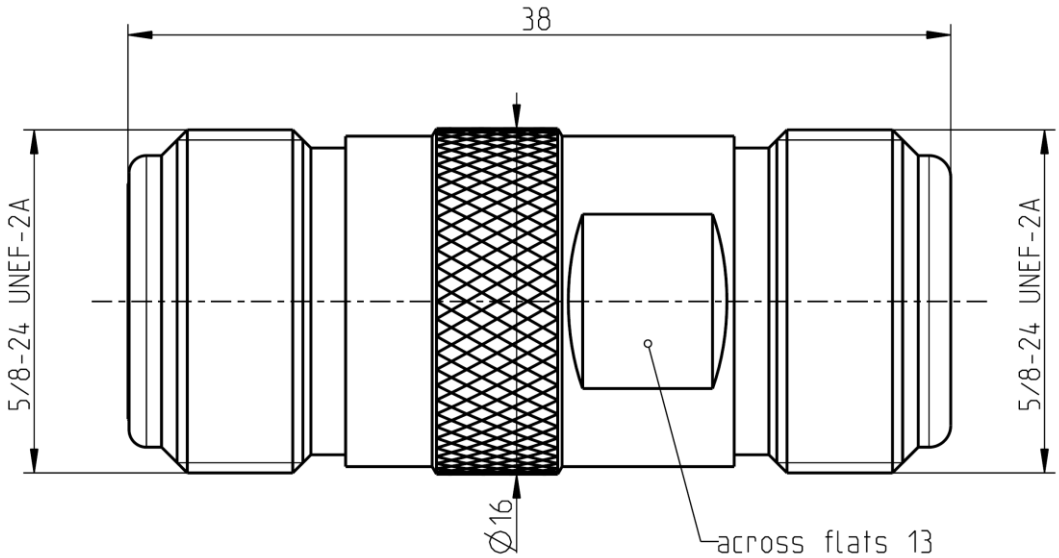
Technical Data Sheet		Rosenberger
N 50 Ω	Adaptor Jack – Jack	**53K102-K00N5**



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

Interface

According to: IEC 61169-16, MIL-PRF-39012, CECC 22210

Documents

N/A

Material and plating

Connector parts	Material	Plating
Center contact	Spring bronze	AuroDur®, gold plated
Outer contact	Brass	Flash white bronze over silver(e.g. Optargen®)
Dielectric	PTFE	

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

Tel. : +49 8684 18-0
Email : info@rosenberger.com

Technical Data Sheet		Rosenberger
N 50 Ω	Adaptor Jack – Jack	**53K102-K00N5**

Electrical data

Impedance	50 Ω
Frequency	DC to 11 GHz
Return loss	≥ 32 dB @ DC to 2 GHz ≥ 25 dB @ 2 GHz to 4 GHz ≥ 22 dB @ 4 GHz to 9 GHz
Insertion loss	$\leq 0.1 \times \sqrt{f\,[GHz]}$ dB
Insulation resistance	≥ 5 GΩ
Center contact resistance	≤ 1 mΩ
Outer contact resistance	≤ 0.25 mΩ
Working voltage (at sea level)	500 V rms
Power handling (at 20 °C, sea level, VSWR 1.0)	1000 W @ 1 GHz 700 W @ 2 GHz
RF-leakage	≥ 128 dB @ DC to 1 GHz
Intermodulation 3rd order	≥ 158 dBc (2 x 43 dBm)

Mechanical data

Mating cycles	≥ 500
Center contact captivation: axial	≥ 28 N
Coupling test torque	≤ 1.7 Nm
Recommended torque	0.7 Nm to 1.1 Nm

Environmental data

Temperature range	-45 °C to +85 °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 I
Moisture resistance	MIL-STD-202, Method 106
Degree of protection (mated pair)	IEC 60529, IP67
RoHS	compliant

Tooling

N/A

Suitable cables

N/A

Weight

Weight	42.7 g/pce

For the installation of the electrotechnical equipment, particular electrotechnical expertise is required.

Draft	Date	Approved	Date
Andreas Fellner	22.01.13	Chr. Janßen	22.12.20

Rev.	Engineering change number	Name	Date
d00	20-1927	S. Huber-Siegl	22.12.20

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

Tel. : +49 8684 18-0
Email : info@rosenberger.com

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for RF Adapters - In Series ***category:***

Click to view products by Rosenberger ***manufacturer:***

Other Similar products are found below :

5916-1103-603 5919-1503-000 651A505 82-5552 9030-9523-502 PN2C A0407000 R114703000W R125771001 R127871001 R141710000W R141723161 R141730000 R143730700 R143770000 R161703000W R161753000W R161791530W R201705000 R222705200 R222M40010W R223703180 R316754000 R405006000 R443162000 AD78TL HRM-513S 1996352-2 2157155-1 252169-75 AD158 2101130-1 252186 R114704000W R114720000W R125705001 R125705701 R125771000 R125771001W R127704001 R127.870.001 R127872001 R141717000 R142710000 R142723000 R143703000 R143704000 R143705700 R161771000W R176754000