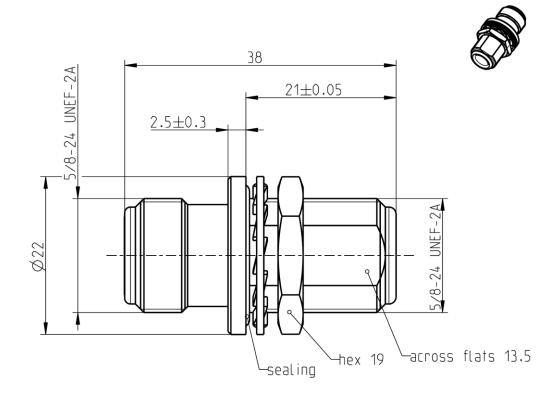
Technical Data Sheet		Rosenberger		
Ν 50 Ω	Adaptor Jack – Jack	53K502-K00N5		



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

According to

IEC 61169-16, MIL-PRF-39012, CECC 22210

Documents

Panel piercing

B 13

Material and plating

Connector parts

Center contact Outer contact Body

Dielectric Gasket Material

Spring bronze

Brass Brass

PTFE NBR **Plating**

AuroDur®, gold plated

Flash white bronze over silver(e.g. Optargen®) Flash white bronze over silver(e.g. Optargen®)

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Technical Data Sheet

Rosenberger

Ν 50 Ω

Adaptor Jack – Jack

53K502-K00N5

Electrical data

Impedance Frequency Return loss

Insertion loss
Insulation resistance
Center contact resistance
Outer contact resistance
Working voltage
Power handling (at 20 °C, sea level, VSWR 1.0)

RF-leakage Intermodulation (3rd order) 50Ω

DC to 11 GHz \geq 30 dB, DC to 3 GHz

 \geq 21 dB, 3 to 6 GHz \geq 14 dB, 6 to 11 GHz

 \leq 0.05 dB \geq 5 x10³ M Ω \leq 1 m Ω \leq 0.25 m Ω 500 V rms

1000 W @ 1 GHz

700 W @ 2 GHz ≥ 128 dB up to 1 GHz ≤ -115 dBm @ 2 x 20 W

Mechanical data

Mating cycles
Center contact captivation: axial
Coupling test torque
Recommended torque

min. 500 ≥ 28 N max. 1.7 Nm 0.7 Nm to 1.1 Nm

Environmental data

Temperature range Thermal shock Corrosion Vibration Shock Moisture resistance

Degree of protection (unmated) RoHS

Tooling

Suitable cables

Weight Weight

-25°C to +85°C

MIL-STD-202, Meth. 107, Cond. B MIL-STD-202, Meth. 101, Cond. B MIL-STD-202, Meth. 204, Cond. B MIL-STD-202, Meth. 213, Cond. I MIL-STD-202, Meth. 106

IEC 60529, IP67 compliant

N/A

N/A

46 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.

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



Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
Inge Mühlauer	08.06.04	Chr. Janßen	25.01.21	i00	20-1927	S. Huber-Siegl	25.01.21

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