



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

Interface

According to

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

Documents

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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RF_35/05.10/6.0

N 50 Ω ADAPTOR
JACK - JACK

53K502-K00N5

Electrical data

Impedance 50 Ω
 Frequency DC to 11 GHz
 Return loss ≥ 30 dB, DC to 3 GHz
 ≥ 21 dB, 3 to 6 GHz
 ≥ 14 dB, 6 to 11 GHz
 Insertion loss ≤ 0.05 dB
 Insulation resistance ≥ 5 x10³ MΩ
 Center contact resistance ≤ 1 mΩ
 Outer contact resistance ≤ 0.25 mΩ
 Working voltage 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 up to 1 GHz
 Intermodulation (3rd order) ≤ -115 dBm @ 2 x 20 W

Mechanical data

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

Environmental data

Temperature range -25°C to +85°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. I
 Moisture resistance MIL-STD-202, Meth. 106
 Degree of protection (unmated) IEC 60529, IP67
 RoHS compliant

Weight

Weight 46 g/pce

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Rosenberger Hochfrequenztechnik GmbH & Co. KG P.O.Box 1260 D-84526 Tittmoning Germany www.rosenberger.de				Tel.: +49 8684 18-0 email: info@rosenberger.de			Page 2 / 2