



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

Interface

| | | |
|--------------|-----------|---|
| According to | TNC side: | IEC 60169-17, MIL-PRF-39012, DIN EN 122200 |
| | SMA side: | IEC 60169-15; EN 122110; MIL-STD-348A, Fig. 310 |

Documents

N/A

Material and plating

Connector parts

Center contact
Outer contact TNC side
Outer contact SMA side
Dielectric

Material

CuBe
Brass
CuBe or equiv.
PTFE

Plating

AuroDur®, gold plated
Nickel, 2.5-5 μm
AuroDur®, gold plated

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RF_35/05.10/6.0

Technical Data Sheet

Rosenberger

TNC 50 Ω

ADAPTOR
JACK – SMA JACK

56K132-K00L5

Electrical data

| | | |
|--|--|------------------|
| Impedance | 50 Ω | |
| Frequency | DC to 10 GHz | |
| Return loss | ≥ 35 dB, DC to 2 GHz ≥ 30 dB, 2 to 3 GHz ≥ 25 dB, 3 to 4 GHz | |
| Insertion loss | ≤ 0.05 dB, DC to 4 GHz | |
| Insulation resistance | ≥ 5 GΩ | |
| Center contact resistance | ≤ 1.5 mΩ, TNC side; | ≤ 3 mΩ, SMA side |
| Outer contact resistance | ≤ 1 mΩ, TNC side; | ≤ 2 mΩ, SMA side |
| Test voltage (at sea level) | 1000 V rms | |
| Working voltage (at sea level) | 480 V rms | |
| Power handling (at 20 °C, sea level, VSWR 1.0) | ≤ 80 W @ 2 GHz | |

Mechanical data

| | | |
|-----------------------------------|----------------------|----------------------|
| Mating cycles | TNC side min. 500 | SMA side min. 500 |
| Center contact captivation: axial | ≥ 27 N | |
| Coupling test torque | max. 1.7 Nm | max. 1.7 Nm |
| Recommended torque | 0.46 Nm to 0.69 Nm | 0.8 Nm to 1.1 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 |
| RoHS | compliant |

Tooling

N/A

Suitable cables

N/A

Weight

Weight 9.2 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 |
|--|----------|-------------------|----------|------|--|-----------|---------------|
| Chr. Entfellner | 24/07/08 | Sa. Krautenbacher | 19.03.14 | e00 | 14-0352 | T. Krojer | 19.03.14 |
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