



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

Interface

According to

IEC 60169-17, MIL-PRF-39012, DIN EN 122200

Documents

Assembly instruction

51 S1

Panel piercing

B 3

Material and plating

Connector parts

- Center contact
- Outer contact
- Body
- Dielectric
- Gasket

Material

- Spring bronze
- Brass
- Brass
- PTFE
- Silicone

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

TNC 50 Ω

Bulkhead jack

56K611-271N5

Electrical data

Impedance 50 Ω
 Frequency DC to 10 GHz
 Return loss ≥ 27 dB @ DC to 2 GHz
 ≥ 25 dB @ 2 GHz to 4 GHz
 ≥ 20 dB @ 4 GHz to 6 GHz
 Insertion loss ≤ 0.1 x √ f [GHz] dB
 Insulation resistance ≥ 5 GΩ
 Center contact resistance ≤ 1.5 mΩ
 Outer contact resistance ≤ 1 mΩ
 Test voltage (at sea level) 1500 V rms
 Working voltage (at sea level) 500 V rms
 Power handling (at 20 °C, sea level, VSWR 1.0) 80 W @ 2 GHz

- Limitations are possible due to the used cable type -

Mechanical data

Mating cycles ≥ 500
 Center contact captivation: axial ≥ 15 N
 Coupling test torque ≤ 1.7 Nm
 Recommended torque 0.46 Nm to 0.69 Nm

Environmental data

Temperature range -45 °C to +85 °C
 Thermal shock MIL-STD-202, Method 107, Condition B
 Corrosion MIL-STD-202, Method 101, Condition B
 Vibration MIL-STD-202, Method 204, Condition B
 Shock MIL-STD-202, Method 213, Condition G
 Moisture resistance MIL-STD-202, Method 106
 Degree of protection (mated pair) IEC 60529, IP67 (assembled in housing)
 RoHS compliant

Tooling

N/A

Suitable cables

RG 405 /U, UT 85-M17

Weight

Weight 16.5 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
Inge Mühlauer	10/08/04	A. Gasteiger	17.03.15	f00	15-0319	S. Huber-Siegl	17.03.15

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