



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 M2

Material and plating

Connector parts

- Center contact
- Outer contact
- Body
- Dielectric
- Gasket
- Crimping ferrule

Material

- Brass
- Brass
- Brass
- PTFE
- NeopreneCR 50C6
- Copper

Plating

- AuroDur®, gold plated
- Flash white bronze over silver(e.g. Optargen®)
- Flash white bronze over silver(e.g. Optargen®)
- Flash white bronze over silver(e.g. Optargen®)

TNC 50 Ω Right Angle Plug

56S207-302N5

Electrical data

Impedance 50 Ω
 Frequency DC to 10 GHz
 Return loss ≥ 31 dB, DC to 1 GHz
 ≥ 29 dB, 1 to 2 GHz
 ≥ 20 dB, 2 to 3 GHz
 Insertion loss ≤ 0.05 dB, DC to 3 GHz
 Insulation resistance ≥ 5 GΩ
 Center contact resistance ≤ 1.5 mΩ
 Outer contact resistance ≤ 1 mΩ
 Test voltage 1500 V rms
 Working voltage 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 -65 °C to +165 °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
 RoHS compliant

Tooling

Crimping tool 11W150-000
 Crimp insert 11W150-102

Suitable cables

RG 316 /U, RG 174 A/U, RG 188 A/U

Weight

Weight 21.9 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	10.08.04	Chr. Janßen	02.02.21	e00	20-1927	S. Huber-Siegl	02.02.21

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