



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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