



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**

Panel piercing B 1

**Material and plating**

**Connector parts**

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

**Material**

- CuBe
- Brass
- PTFE
- Silicone
- NBR

**Plating**

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

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RF\_35/08.13/6.1

TNC 50 Ω

**BULKHEAD JACK  
SOLDER END**

**56K508-200N5**

**Electrical data**

Impedance 50 Ω  
 Frequency DC to 10 GHz  
 Return loss ≥ 20 dB, DC to 2.5 GHz  
 ≥ 18 dB, 2.5 to 4 GHz  
 Insertion loss ≤ 0.05 x √ f [GHz] dB, DC to 4 GHz  
 Insulation resistance ≥ 5 x10<sup>3</sup> MΩ  
 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

-- Interface only --

**Mechanical data**

Mating cycles ≥ 500  
 Center contact captivation: axial ≥ 15 N  
 Coupling test torque ≤ 1.7 Nm  
 Coupling torque (recommended) 0.46 Nm to 0.69 Nm  
 Tightening torque hex nut (recommended) 6 Nm

**Environmental data**

Temperature range -25 °C to +110 °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 IEC 60529, IP68 1 bar / 2 h (assembled in housing)  
 RoHS compliant

**Tooling**

N/A

**Suitable cables**

N/A

**Weight**

Weight 11.3 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
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