



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

**Interface**

Compatible to IEC 60169-8, MIL-PRF-39012, CECC 22120

**Documents**

Panel piercing B 2

**Material and plating**

**Connector parts**

Center contact  
Outer contact  
Body  
Dielectric

**Material**

Beryllium copper  
Brass  
Brass  
PTFE

**Plating**

Gold, min. 0.8 µm, over nickel  
Flash white bronze over silver(e.g. Optargen®)  
Flash white bronze over silver(e.g. Optargen®)

BNC 75 Ω BULKHEAD JACK  
SOLDER END

**71K504-200N4**

**Electrical data**

Impedance	75 Ω
Frequency	DC to 4 GHz
Return loss	≥ 18 dB, DC to 1 GHz
Insertion loss	≤ 0.1 x √ f [GHz] dB, DC to 1 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	400 V rms
Power handling (at 20 °C, sea level, VSWR 1.0)	≤ 80 W @ 2 GHz

**Mechanical data**

Mating cycles	min. 500
Center contact captivation: axial	≥ 15 N

**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
2002/95/EC (RoHS)	compliant

**Tooling**

N/A

**Suitable cables**

N/A

**Packing**

Standard	1 pce in bag
Weight	8.6 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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