



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

Interface

According 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
Solder tag

Material

CuBe
Brass
Brass
PP
Brass

Plating

AuroDur®, gold plated
Flash white bronze over silver(e.g. Optargen®)
Flash white bronze over silver(e.g. Optargen®)
Silver, 3-6 µm

**BNC 50 Ω BULKHEAD JACK
SOLDER END**

www.pewtronic.cz
PLU010631

Electrical data

| | |
|--|--|
| Impedance | 50 Ω |
| Frequency | DC to 10 GHz |
| Insertion loss | $\leq 0.05 \times \sqrt{f \text{ [GHz]}}$ dB |
| Insulation resistance | $\geq 5 \times 10^3$ 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 | -55°C to +155°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 | 7.9 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.

| Draft | Date | Approved | Date | Rev. | Engineering change number | Name | Date |
|--|----------|------------------|----------|------|--|----------------|---------------|
| Chr. Entsfellner | 10/07/08 | J. Krautenbacher | 10/07/08 | d00 | 07-0154 | S. Huber-Siegl | 10/07/08 |
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