



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

Interface

| | | |
|--------------|-----------|--|
| According to | SMB side: | IEC 60169-10, CECC 22130, US MIL-C-39012 |
| | BNC side: | IEC 60169-8, MIL-PRF-39012, CECC 22120 |

Documents

N/A

Material and plating

Connector parts

Center contact
Outer contact SMB side
Outer contact BNC side
Dielectric
Gasket

Material

CuBe
CuBe
Brass
PTFE
NeopreneCR 50C6

Plating

AuroDur®, gold plated
AuroDur®, gold plated
Nickel, 2.5-5 µm

Electrical data

| | |
|---------------------------|---|
| Impedance | 50 Ω |
| Frequency | DC to 4 GHz |
| Return loss | ≥ 33 dB, DC to 1 GHz ≥ 29 dB, 1 to 4 GHz |
| Insertion loss | ≤ 0.05 x √f(GHz) dB |
| Insulation resistance | ≥ 1x10 ³ MΩ |
| Center contact resistance | ≤ 5 mΩ, SMB side ≤ 1.5 mΩ, BNC side |
| Outer contact resistance | ≤ 2.5 mΩ, SMB side ≤ 1 mΩ, BNC side |
| Test voltage | 750 V rms, 50 Hz, at sea level |
| Working voltage | ≤ 250 V rms, 50 Hz, at sea level |
| Contact current | 1.5 A DC typ. |
| RF-leakage | ≥ 55 dB up to 1 GHz |

Mechanical data

| | | |
|-----------------------------------|-----------------------|----------|
| | SMB side | BNC side |
| Mating cycles | min. 500 | min. 500 |
| Center contact captivation: axial | ≥ 10 N | ≥ 10 N |
| Engagement force | ≤ 63 N | N/A |
| Disengagement force | 8 N min. to 63 N max. | N/A |

Environmental data

| | |
|---------------------|---------------------------------|
| Temperature range | -55°C to +155°C |
| Thermal shock | MIL-STD-202, Meth. 107, Cond. B |
| Vibration | MIL-STD-202, Meth. 204, Cond. B |
| Corrosion | MIL-STD-202, Meth. 101, Cond. B |
| Moisture resistance | MIL-STD-202, Meth. 106 |
| RoHS | compliant |

Tooling

N/A

Suitable cables

N/A

Weight

Weight 8.6 g/pce

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| Inge Mühlauer | 14/12/04 | Sa. Krautenbacher | 20.03.14 | f00 | 14-0352 | T. Krojer | 20.03.14 |
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