



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

Interface

| | | |
|--------------|---------------|--|
| BNC side | Compatible to | IEC 60169-8, MIL-PRF-39012, CECC 22120 |
| 1.6/5.6 side | According to | CECC 22 240 |

Documents

N/A

Material and plating

Connector parts

| | Material | Plating |
|----------------------------|------------------|----------------------|
| Center contact | Beryllium copper | AuroDur, gold plated |
| Outer contact 1.6/5.6 side | Beryllium copper | AuroDur, gold plated |
| Outer contact BNC side | Brass | Nickel, 2.5-5 µm |
| Coupling nut | Brass | Nickel, 2.5-5 µm |
| Dielectric 1.6/5.6 side | LCP | |
| Dielectric BNC side | PTFE | |

**ADAPTOR, SCREW ON
1.6/5.6 III PLUG – BNC 75 Ω JACK**
88S171-K00L5**Electrical data**

| | | |
|---------------------------|--------------------------------------|----------------------|
| Impedance | 75 Ω | |
| Frequency | DC to 4 GHz | |
| Return loss | ≥ 30 dB, DC to 0.5 GHz | |
| | ≥ 25 dB, 0.5 to 1 GHz | |
| | ≥ 20 dB, 1 to 2 GHz | |
| Insertion loss | ≤ 0.1 dB, DC to 2 GHz | |
| Insulation resistance | ≥ 10x10 ³ MΩ | |
| Center contact resistance | ≤ 1.5 mΩ, BNC side; | ≤ 4 mΩ, 1.6/5.6 side |
| Outer contact resistance | ≤ 1 mΩ, BNC side; | ≤ 2 mΩ, 1.6/5.6 side |
| Test voltage | 1000 V rms | |
| Working voltage | 330 V rms | |
| RF-leakage | ≥ 90 dB up to 1 GHz (slide-on) | |
| | ≥ 100 dB up to 1 GHz (screw version) | |

Mechanical data

| | | |
|------------------------------------|----------|-------------------------------------|
| | BNC side | 1.6/5.6 side |
| Mating cycles | min. 500 | min. 500 |
| Center contact captivation: axial | ≥ 30 N | ≥ 30 N |
| Engaging and disengaging force | ≤ 20 N | 2.2 N to 12 N (screw-on, slide-on) |
| | | 18 N to 50 N (quick-lock) |
| Coupling mechanism retention force | N/A | ≥ 300 N (screw version, quick-lock) |

Environmental data

| | | |
|-------------------|------------------------|---------------------------------------|
| Temperature range | -40°C to +85°C | |
| Climatic class | IEC 60068-2-1 40/85/21 | |
| | IEC 60068-2-2 | |
| | IEC 60068-2-3 | |
| Vibration | IEC 60068-2-6 | 10 Hz to 2000 Hz, 100m/s ² |
| RoHS | compliant | |

Tooling

N/A

Suitable cables

N/A

Weight

Weight 10.0 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 |
|--|----------|-------------------|----------|------|--|-----------|---------------|
| A. König | 10/07/07 | Sa. Krautenbacher | 24.03.14 | b00 | 14-0352 | T. Krojer | 24.03.14 |
| Rosenberger Hochfrequenztechnik GmbH & Co. KG P.O.Box 1260 D-84526 Tittmoning Germany www.rosenberger.de | | | | | Tel.: +49 8684 18-0 Fax: +49 8684 18-499 email: info@rosenberger.de | | Page 2 / 2 |