



All dimensions are in mm; tolerances acc. ISO 2768 m-H

**Interface**

According to MCX side: CECC 22 220, IEC 60169-36  
N side: IEC 60169-16, MIL-PRF-39012, CECC 22210

**Documents**

N/A

**Material and plating**

**Connector parts**

Center contact  
Outer contact MCX side  
Outer contact N side  
Dielectric

**Material**

Beryllium copper  
Brass  
Brass  
PTFE

**Plating**

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

**ADAPTOR**  
mcx JACK – n 50 Ω plug

**29K153-S00Z5**

**Electrical data**

|                           |   |
|---------------------------|---|
| Impedance                 | 50 Ω  |
| Frequency                 | DC to 6 GHz                                 |
| Return loss               | ≥ 20 dB, DC to 1 GHz<br>≥ 17 dB, 1 to 3 GHz |
| Insertion loss            | ≤ 0.05 x √f(GHz) dB, DC to 3 GHz            |
| Insulation resistance     | ≥ 1 GΩ                                      |
| Center contact resistance | ≤ 5.0 mΩ, MCX side;      ≤ 1 mΩ, N side     |
| Outer contact resistance  | ≤ 2.5 mΩ, MCX side;      ≤ 0.25 mΩ, N side  |
| Test voltage              | 750 V rms                                   |
| Working voltage           | 335 V rms                                   |
| Contact Current           | 1.5A DC max.                                |

**Mechanical data**

|                                   |                       |                  |
|-----------------------------------|-----------------------|------------------|
|                                   | MCX side              | N side           |
| Mating cycles                     | ≥ 500                 | min. 500         |
| Coupling nut retention            | N/A                   | ≥ 450 N          |
| Center contact captivation: axial | ≥ 28 N                | ≥ 28 N           |
| Engagement force                  | ≤ 25 N                | N/A              |
| Disengagement force               | 8 N min. to 20 N max. | N/A              |
| Coupling test torque              | N/A                   | max. 1.7 Nm      |
| Recommended torque                | N/A                   | 0.7 Nm to 1.1 Nm |

**Environmental data**

|                     |                             |
|---------------------|-----------------------------|
| Temperature range   | -55°C to +155°C             |
| Thermal shock       | CECC 22 220, Chapter 4.6.7  |
| Vibration           | CECC 22 220, Chapter 4.6.3  |
| Corrosion           | CECC 22 220, Chapter 4.6.10 |
| Moisture resistance | CECC 22 220, Chapter 4.6.6  |
| RoHS                | compliant                   |

**Tooling**

N/A

**Suitable cables**

N/A

**Weight**

Weight 26.5 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          |
| Inge Mühlauer  | 30/08/04 | Sa. Krautenbacher | 13.03.14 | d00  | 14-0352  | T. Krojer | 13.03.14      |
| Rosenberger Hochfrequenztechnik GmbH & Co. KG<br>P.O.Box 1260 D-84526 Tittmoning Germany<br><a href="http://www.rosenberger.de">www.rosenberger.de</a> |          |                   |          |      | Tel.: +49 8684 18-0<br>Fax: +49 8684 18-499<br>email: <a href="mailto:info@rosenberger.de">info@rosenberger.de</a> |           | Page<br>2 / 2 |

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