



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

**Interface**

According to

Rosenberger 28S000-000, series QMA  
Rosenberger 28K000-000, series QMA  
Rosenberger is an authorised QLF® manufacturer

**Documents**

N/A

**Material and plating**

**Connector parts**

- Center contact - plug
- Center contact - jack
- Outer contact
- Dielectric
- Unlocking sleeve
- Substrate

**Material**

- CuBe
- CuBe
- Stainless steel
- PTFE
- Brass
- Al<sub>2</sub>O<sub>3</sub>

**Plating**

- Gold, min. 1.27 µm, over nickel
- Gold, min. 1.27 µm, over nickel
- Passivated
- White bronze(e.g. Optalloy®)

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RF\_35/05.10/6.0

**Electrical data**

|                 |   |
|-----------------|---|
| Impedance       | 50 Ω  |
| Frequency range | DC to 6 GHz   |
| Return loss     | ≥ 26.5 dB, DC to 2 GHz<br>≥ 20.8 dB, 2 GHz to 6 GHz         |
| Attenuation     | 6 dB ± 0.3 dB, DC to 2 GHz<br>6 dB ± 0.5 dB, 2 GHz to 6 GHz |
| Power handling  | ≤ 2 W at 25°C   |

**Mechanical data**

|                               |                    |
|-------------------------------|--------------------|
| Mating cycles                 | ≥ 100              |
| Engagement force              | typ. 25 N          |
| Disengagement force           | typ. 20 N          |
| Retention force for interface | 60 N min.          |
| Gauge                         | 0.00 mm to 0.25 mm |

**Environmental data**

|                   |                |
|-------------------|----------------|
| Temperature range | -40°C to +85°C |
| RoHS              | compliant      |

**Packing**

|          |              |
|----------|--------------|
| Standard | 1 pce in bag |
| Weight   | 6.8 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          |
|--|----------|-------------|----------|---|---------------------------|------------------|---------------|
| Kerstin Herzog   | 04/01/07 | Lars Ramtke | 31/05/13 | c00   | 13-0547                   | Marion Striegler | 31/05/13      |
| 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 |