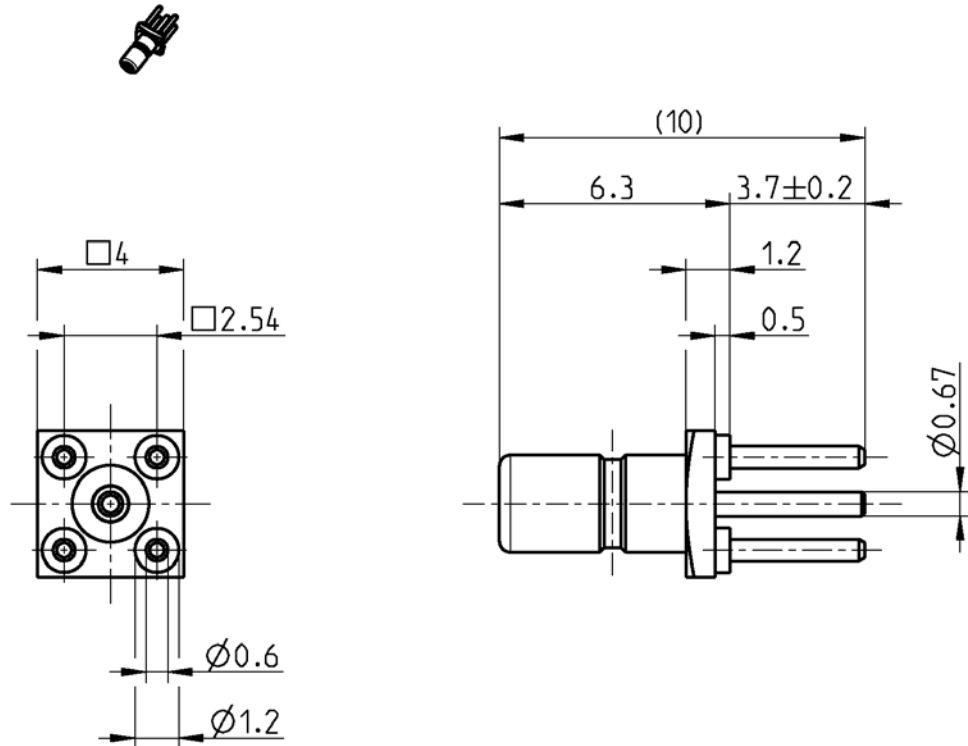




All dimensions are in mm; tolerances according to ISO 2768 m-H

#### Interface

According to

EN 122 170, IEC 60169-19

#### Documents

Panel piercing

B 35

#### Material and plating

##### Connector parts

Center contact  
Outer contact  
Body  
Dielectric

##### Material

Beryllium copper  
Brass  
Brass  
PTFE

##### Plating

Gold, min. 1.27 µm, over nickel  
Gold, min. 0.8 µm, over nickel  
Gold, min. 0.8 µm, over nickel

**Electrical data**

|                           |                                           |
|---------------------------|-------------------------------------------|
| Impedance                 | 50 $\Omega$                               |
| Frequency                 | DC to 3 GHz                               |
| Return loss               | $\geq 17$ dB, DC to 3 GHz                 |
| Insertion loss            | $\leq 0.1 \times \sqrt{f(\text{GHz})}$ dB |
| Insulation resistance     | $\geq 1 \times 10^3$ M $\Omega$           |
| Center contact resistance | $\leq 5$ m $\Omega$                       |
| Outer contact resistance  | $\leq 2.5$ m $\Omega$                     |
| Test voltage              | 500 V rms                                 |
| Working voltage           | 175 V rms                                 |
| RF-leakage                | $\geq 40$ dB up to 1 GHz                  |

- VSWR in application depends decisive on PCB layout -

**Mechanical data**

|                                |             |
|--------------------------------|-------------|
| Mating cycles                  | $\geq 500$  |
| Center contact captivation     | $\geq 8$ N  |
| Engaging and disengaging force | 8 N to 27 N |

**Environmental data**

|                            |                                                           |
|----------------------------|-----------------------------------------------------------|
| Temperature range          | -55°C to +155°C                                           |
| Climatic class             | IEC 60068-2-1 55/155/21<br>IEC 60068-2-2<br>IEC 60068-2-3 |
| Vibration                  | IEC 60068-2-6 10 Hz to 500 Hz, 98m/s <sup>2</sup>         |
| Max. soldering temperature | IEC 61760-1, +260°C for 10 sec.                           |

**Tooling**

N/A

**Suitable cables**

N/A

**Packing**

|          |                    |
|----------|--------------------|
| Standard | 200 pcs in blister |
| Weight   | 0.25 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                                                                                                                                          | 28/09/04 | Rong Fang | 21/10/05 | b00                                                                                                                | 05-0567                   | Inge Mühlauer | 21/10/05      |
| 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 |