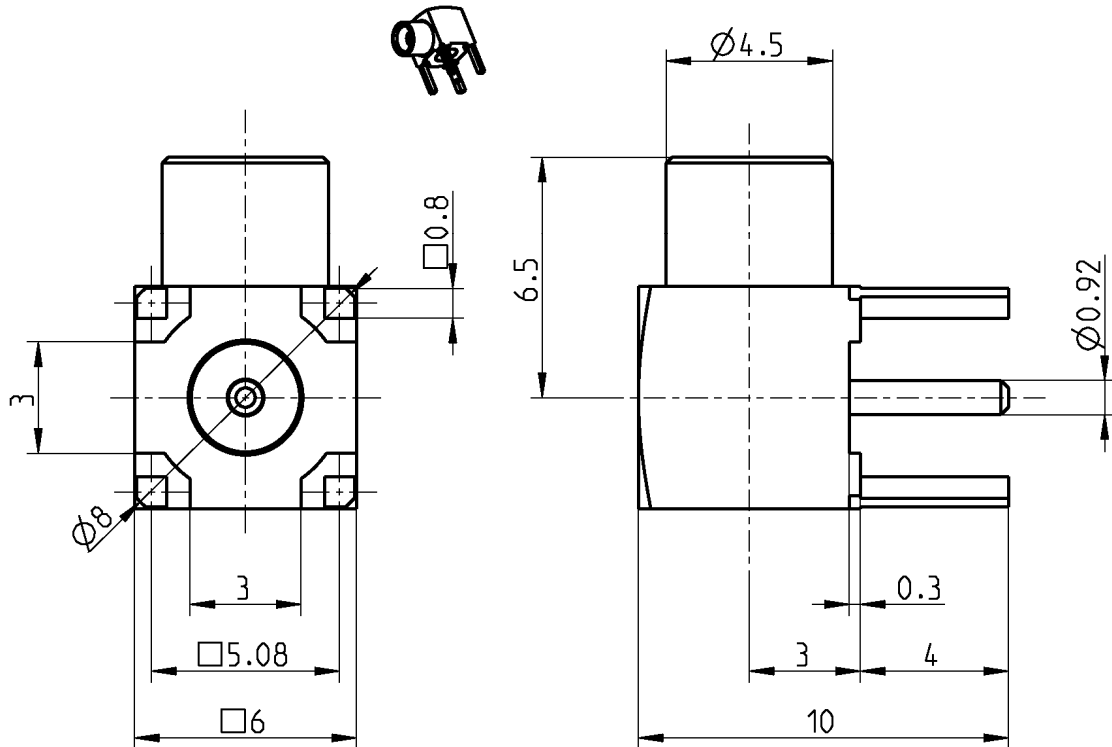




All dimensions are in mm; tolerances acc. ISO 2768 m-H

#### Interface

According to

CECC 22 220, IEC 60169-36

#### Documents

PCB layout

B 30

#### Material and plating

##### Connector parts

Center contact  
Outer contact  
Dielectric

##### Material

Beryllium copper  
Brass  
PTFE

##### Plating

AuroDur, gold plated  
AuroDur, gold plated

**Electrical data**

|                           |                                            |
|---------------------------|--------------------------------------------|
| Impedance                 | 50 $\Omega$                                |
| Frequency                 | DC to 6 GHz                                |
| Return loss               | $\geq 21$ dB, DC to 6 GHz                  |
| Insertion loss            | $\leq 0.05 \times \sqrt{f(\text{GHz})}$ dB |
| Insulation resistance     | $\geq 1$ G $\Omega$                        |
| Center contact resistance | $\leq 5.0$ m $\Omega$                      |
| Outer contact resistance  | $\leq 2.5$ m $\Omega$                      |
| Test voltage              | 750 V rms                                  |
| Working voltage           | 335 V rms                                  |
| Contact Current           | 1.5A DC max.                               |

- VSWR in application depends decisive on PCB layout -

**Mechanical data**

|                            |                       |
|----------------------------|-----------------------|
| Mating cycles              | $\geq 500$            |
| Center contact captivation | $\geq 10$ N           |
| Engagement force           | $\leq 25$ N           |
| Disengagement force        | 8 N min. to 20 N max. |

**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      |
| Max. soldering temperature | IEC 61760-1, +260°C for 10 sec. |
| RoHS                       | compliant                       |

**Tooling**

N/A

**Suitable cables**

N/A

**Weight**

Weight 1.7 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 | e00  | 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 |