



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

**Interface**

|                              |              |
|------------------------------|--------------|
| According to                 | IEC 61169-32 |
| Mechanically compatible with | RPC-2.4      |
| Waveguide                    | WR 22        |
| Flange                       | UG-383/U     |

**Material and plating**

**Connector parts**

|                |                 |         |  |
|----------------|-----------------|---------|--|
| Center contact | CuBe            | Plating | Gold, min. 1.27 µm, over chemical nickel |
| Outer contact  | Stainless steel |         | Passivated                               |
| Body           | Brass           |         | AuroDur®, gold plated                    |
| Dielectric     | PEEK            |         |  |

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**Electrical data**

|                |                                |
|----------------|--------------------------------|
| Impedance      | 50 Ω                           |
| Frequency      | 32.9 GHz to 50.1 GHz           |
| Return loss    | ≥ 15 dB @ 32.9 GHz to 50.1 GHz |
| Insertion loss | ≤ 0.1 x $\sqrt{f}$ [GHz] dB    |

**Mechanical data**

|                                   |                 |
|-----------------------------------|-----------------|
| Mating cycles                     | ≥ 500           |
| Center contact captivation: axial | ≥ 20 N          |
| radial                            | ≥ 1 Ncm         |
| Coupling torque (recommended)     | ≤ 1.65 Nm       |
| Recommended torque                | 0.8Nm to 1.1 Nm |

**Environmental data**

|                      |                               |
|----------------------|-------------------------------|
| Temperature range    | -55 ° C to +155 ° C           |
| Thermal shock        | IEC 61169-1, Subclause 9.4.4  |
| Corrosion resistance | IEC 61169-1, Subclause 9.4.6  |
| Vibration            | IEC 61169-1, Subclause 9.3.3  |
| Shock                | IEC 61169-1, Subclause 9.3.14 |
| Moisture resistance  | IEC 61169-1, Subclause 9.4.3  |
| RoHS                 | compliant                     |

**Packing**

|          |             |
|----------|-------------|
| Standard | 1 pcs/box   |
| Weight   | 46.82 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     | Checked | Approved | Date     | Rev | Engineering change number | Name    | Date     |
|------------|----------|---------|----------|----------|-----|---------------------------|---------|----------|
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