



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

Interface

According to IEC 61169-4, EN 122190, DIN 47223

Documents

Application note AN001 "Calibration Services"

Material and plating

Connector parts

- Center contact
- Outer contact
- Body
- Dielectric
- Substrate

Material

- Beryllium copper
- Brass
- Brass
- PPE
- Al₂O₃

Plating

- Gold, min. 1.27 µm, over nickel
- Gold, min. 1.27 µm, over nickel
- Flash white bronze over silver(e.g. Optargen®)

Electrical data

Frequency	DC to 8 GHz
Return loss	≥ 1.5 ± 0.04, DC to 4 GHz ≥ 1.5 ± 0.06, 4 GHz to 8 GHz
DC Resistance	75 Ω ± 0.375 Ω
Power handling (at 25 °C, sea level)	≤ 1.0 W, derated linearity by 0.01 W/K

Mechanical data

Mating cycles	≥ 500
Maximum torque	35 Nm
Recommended torque	2.26 Nm
Gauge	1.78 mm to 1.82 mm

Environmental data

Operating temperature range ¹	+20 °C to +26 °C
Rated temperature range of use ²	0 °C to +50 °C
Storage temperature range	- 40 °C to +85 °C

RoHS compliant

¹ Temperature range over which these specification are valid.

² This range is underneath and above the operating temperature range, within the mismatch is fully functional and could be used without damage.

Declaration of calibration options

Factory Calibration

Standard delivery for this calibration standard includes a Factory Calibration. The Calibration Certificate issued reports individual calibration results, traceable to national / international standards.

Accredited Calibration

Optional this calibration standard can be delivered with an Accredited Calibration (DAkKS) having the highest confidence in the traceability. The DAkKS Calibration Certificate issued reports individual calibration results in a complex format, traceable to national / international standards. The uncertainties are smaller than in a Factory Calibration.

For further, more detailed information see application note AN001 on the Rosenberger homepage.

Calibration interval

Recommendation 12 months

Packing

Standard 1 pce in bag
Weight 150 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
Marcel Panicke	21.03.11	Markus Müller	20.07.18	d00	18-1027	Marion Striegler	20.07.18
Rosenberger Hochfrequenztechnik GmbH & Co. KG P.O.Box 1260 D-84526 Tittmoning Germany www.rosenberger.de					Tel. : +49 8684 18-0 Email : info@rosenberger.de		Page 2 / 2