



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

#### Interface

According to

IEC 60169-15; EN 122110; MIL-STD-348A, Fig. 310

#### Documents

PCB layout

B 201

Tape & reel packaging

VG 155.20000

#### Material and plating

##### Connector parts

Center contact

Outer contact

Dielectric

##### Material

Beryllium copper

Brass

PTFE

##### Plating

AuroDur, gold plated

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**Electrical data**

Impedance	50 Ω
Frequency	DC to 12.4 GHz
VSWR	$\leq 1.1 + 0.02 \times f \text{ [GHz]}$
Insertion loss	$\leq 0.04 \times \sqrt{f(\text{GHz})} \text{ dB}$
Insulation resistance	$\geq 5 \times 10^3 \text{ M}\Omega$
Center contact resistance	$\leq 3 \text{ m}\Omega$
Outer contact resistance	$\leq 2 \text{ m}\Omega$
Test voltage	1000 V rms
Working voltage	480 V rms
Power handling (at 20 °C, sea level, VSWR 1.0)	$\leq 200 \text{ W @ 2 GHz}$
RF-leakage	$\geq 100 \text{ dB up to 1 GHz}$

- Connector only, VSWR in application depends decisive on PCB layout

**Mechanical data**

Mating cycles	min. 100
Center contact captivation: axial	$\geq 20 \text{ N}$
radial	$\geq 1 \text{ Ncm}$
Coupling test torque	max. 0.6 Nm
Recommended torque	0.5 Nm

**Environmental data**

Temperature range	-65°C to +165°C
Thermal shock	MIL-STD-202, Meth. 107, Cond. B
Corrosion	MIL-STD-202, Meth. 101, Cond. B
Vibration	MIL-STD-202, Meth. 204, Cond. D
Shock	MIL-STD-202, Meth. 213, Cond. I
Moisture resistance	MIL-STD-202, Meth. 106
Max. soldering temperature	IEC 61760-1, +260°C for 10 sec.
2002/95/EC (RoHS)	compliant

**Tooling**

N/A

**Suitable cables**

N/A

**Packing**

Standard	100 pcs. in blister; 200 pcs in tape & reel
Weight	1.3 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
A. König	12/10/05	Janßen	21.01.10	b00	10-s033	S. Peteranderl	10/01/10
Rosenberger Hochfrequenztechnik GmbH & Co. KG P.O.Box 1260 D-84526 Tittmoning Germany <a href="http://www.rosenberger.de">www.rosenberger.de</a>					Tel.: +49 8684 18-0 Fax: +49 8684 18-499 email: <a href="mailto:info@rosenberger.de">info@rosenberger.de</a>		Page 2 / 2