



All dimensions are in mm

**Interface**

According to

RN\_108-01

**Documents**

PCB layout

MB\_926

T&R packaging

VG410.18500

**Material and plating**

**Connector parts**

- Center contact
- Outer contact (Interface)
- Outer contact (PCB)
- Dielectric
- Housing

**Material**

- Brass
- Bronze
- Zinc alloy
- LCP
- HTN

**Plating**

- AuroDur®, gold plated, 0.15  $\mu$ m
- Tin, min. 1.5  $\mu$ m
- Tin, min. 2  $\mu$ m

**Preliminary**

**Electrical data**

Impedance	50 Ω
Frequency	DC to 9 GHz
Return loss	≥ 25 dB, DC to ≤ 3 GHz ≥ 20 dB, > 3 GHz to ≤ 6 GHz ≥ 12 dB, > 6 GHz to ≤ 9 GHz
Insertion loss	≤ 0.1 x √f(GHz) dB
Insulation resistance	≥ 1x10 <sup>3</sup> MΩ
Center contact resistance	≤ 10 mΩ
Outer contact resistance	≤ 5 mΩ
Test voltage	≤ 800 V rms
Working voltage	≤ 60 V rms
Power current	≤ 1 A DC

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

**Mechanical data**

Mating cycles	≥ 25
Engagement force	≤ 15 N*
Disengagement force	≥ 2 N
Retention force latch	≥ 110 N
Coding efficiency	≥ 150 N
Weight	1.97 g

**Preliminary**

\* according to USCAR 25 Rev. 3, tests specified in USCAR 17 Rev. 5 TG-G

**Environmental data**

Temperature range	-40 °C to +105 °C
Thermal shock	ISO 20860-2 clause 9.2
Temperature and humidity	ISO 20860-2 clause 9.3
Vibration and mechanical shock	ISO 20860-2 clause 9.1
Dry heat	ISO 20860-2 clause 9.4
Soldering profile	acc. to IEC 60068-2-58; Group 3 (250 °C / 30 s)
RoHS	compliant

**Packing**

Standard	185 pcs in tape & reel
----------	------------------------

Dieses Dokument ist urheberrechtlich geschützt • This document is protected by copyright • Rosenberger Hochfrequenztechnik GmbH & Co. KG

RF\_35/09.14/6.2