



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

Interface

According to

DIN 72594-1, ISO 20860-1

Documents

PCB layout

MB_506

Tape & reel packaging

VG261.26500

Material and plating

Connector parts

- Center contact
- Outer contact
- Housing
- Calibration and sucking cap

Material

- Brass
- Spring bronze
- HTN
- HTN

Plating

- Gold, min. 0.15 µm, over chemical nickel
- Tin, 3-6µm

Electrical data

Impedance	50 Ω
Frequency	DC to 6 GHz
Return loss	≥ 26 dB, DC to 1 GHz
Insertion loss	≤ 0.1x $\sqrt{f(\text{GHz})}$ dB
Insulation resistance	≥ 1x10 ³ MΩ
Center contact resistance	≤ 5 mΩ
Outer contact resistance	≤ 5 mΩ
Test voltage	750 V rms
Working voltage	335 V rms
Power current	≤ 1 A DC

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

Mechanical data

Mating cycles	≥ 25
Engagement force	≤ 25 N
Disengagement force	≥ 2 N
Coding efficiency	≥ 40 N

Environmental data

Temperature range	-40°C to +105°C
Thermal shock	DIN 72594-2 clause 8.2
Temperature and humidity	DIN 72594-2 clause 8.3
Vibration and mechanical shock	DIN 72594-2 clause 8.1
Dry heat	DIN 72594-2 clause 8.4
Soldering profile	acc. to IEC 60068-2-58 group 3&4
RoHS	compliant

Tooling

N/A

Packing

Standard	265 pcs on tape & reel
Weight	1,76g/pce