



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

**Interface**

According to DIN 72594-1

**Documents**

PCB layout MB\_480  
Tape & reel packaging VG254.25000

**Material and plating**

**Connector parts**

Center contact  
Outer contact  
Dielectric  
Housing

**Material**  
Brass  
Zinc alloy  
HTN  
HTN

**Plating**

AuroDur®, gold plated  
Tin, 2-6µm

**Electrical data**

Impedance	50 Ω
Frequency	DC to 6 GHz
Return loss	≥ 26 dB, DC to 1 GHz
Insertion loss	≤ 0.1 x $\sqrt{f(\text{GHz})}$ dB
Insulation resistance	≥ 1 x10 <sup>3</sup> MΩ
Center contact resistance	≤ 5 mΩ
Outer contact resistance	≤ 5 mΩ
Test voltage (at sea level)	750 V rms
Working voltage (at sea level)	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
Retention force latch	≥ 110 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. IEC 60068-2-58 Group 3&4
RoHS	compliant

**Tooling**

N/A

**Packing**

Standard	250 pcs in tape and reel
Weight	4.17 g/pce

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