



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

**Interface**

According to DIN 72594-1

**Documents**

PCB layout MB\_273  
Tape & reel packaging VG42.20000

**Material and plating**

**Connector parts**

Center contact	Brass
Outer contact	Brass
Dielectric	PA 6T/66
Housing	PA 6T/66

**Plating**

Gold, min. 0.15 µm, over chemical nickel  
Tin, 6-8 µm

### Electrical data

Impedance	50
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	≥ 1x10 <sup>3</sup> 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
Retention force latch	≥ 110 N
Coding efficiency	≥ 40 N

### Environmental data

Temperature range	-40°C to +105°C
Thermal shock	DIN 72594-2 clause 6.2
Temperature and humidity	DIN 72594-2 clause 6.3
Vibration and mechanical shock	DIN 72594-2 clause 6.1
Dry heat	DIN 72594-2 clause 6.4
Soldering profile 2002/95/EC (RoHS)	acc. IEC 60068-2-58 Group 3&4 compliant

### Tooling

N/A

### Packing

Standard	100 pcs in blister
Weight	1.65 g/pce