



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

**Interface**

According to DIN 72594-1

**Documents**

Assembly instruction MA\_59V048  
 PCB layout MB\_182  
 Tape & reel packaging VG118.30000

**Material and plating**

**Connector parts**

Center contact	Material	Brass
Outer contact		Zinc alloy
Dielectric		PA 6T/66
Housing		PA 6T/66

**Plating**

AuroDur®, gold plated <sup>(d)</sup>  
 Tin 2 µm min., over Nickel 1 µm min.

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**Electrical data**

Impedance	50 Ω
Frequency	DC to 6 GHz
Return loss measured on 50 Ω footprint	≥ 23 dB (DC to 2.4 GHz) ≥ 20 dB (2.4 GHz to 4 GHz) ≥ 17 dB (4 GHz to 6 GHz)
Insertion loss	≤ 0.15 x √f(GHz) dB (f)
Insulation resistance	≥ 1x10 <sup>3</sup> MΩ
Center contact resistance	≤ 15 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	≤ 65 N (e)
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. to IEC 60068-2-58 group 3&4
RoHS	compliant

**Tooling**

N/A

**Packing**

Standard	300 pcs on tape & reel
Weight	4.00 g/pce

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