



All dimensions are in mm; tolerances acc. ISO 2768 m-H

**Interface**

According to MIL-STD-348

**Documents**

PCB layout B 178a  
Tape & reel packaging VG68.75000

**Material and plating**

**Connector parts**

Center contact  
Outer contact  
Dielectric

**Material**

Brass  
Brass  
LCP

**Plating**

AuroDur, gold plated  
AuroDur, gold plated

**Electrical data**

Impedance	50 Ω
Frequency	DC to 26.5 GHz
Return loss	≥ 26 dB, DC to 6 GHz ≥ 21 dB, 6 to 12 GHz
Insertion loss	≤ 0.05 x √f(GHz) dB, DC to 12 GHz
Insulation resistance	≥ 5 GΩ
Center contact resistance	≤ 6.0 mΩ
Outer contact resistance	≤ 2.0 mΩ
Test voltage	500 V rms
Working voltage	335 V rms
Contact Current	1.2A DC max.

- VSWR in application depends decisive on PCB layout -

**Mechanical data**

Mating cycles	≥ 1000
Center contact captivation	≥ 7 N
Engagement force	
- catchers mit	9 N max.
Disengagement force	
- catchers mit	2.2 N min.

**Environmental data**

Temperature range	-65°C to +155°C
Thermal shock	MIL-STD-202, Method 107, Condition B
Vibration	MIL-STD-202, Method 204, Condition B
Shock	MIL-STD-202, Method 213, Condition A
Moisture resistance	MIL-STD-202, Method 106
Max. soldering temperature	IEC 61760-1, +260°C for 10 sec.
RoHS	compliant

**Tooling**

N/A

**Suitable cables**

N/A

**Weight**

Weight 0.8 g/pce

While the information has been carefully compiled to the best of our knowledge, nothing is intended as representation or warranty on our part and no statement herein shall be construed as recommendation to infringe existing patents. In the effort to improve our products, we reserve the right to make changes judged to be necessary.

Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
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