



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

**Interface**

Compatible to MIL-STD-348

**Documents**

PCB layout B 127  
Tape & reel packaging VG05.75000

**Material and plating**

**Connector parts**

Center contact  
Outer contact  
Dielectric

**Material**

Brass  
Brass  
LCP

**Plating**

AuroDur®, gold plated  
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**Electrical data**

Impedance	50 Ω
Frequency	DC to 26.5 GHz
Return loss	≥ 26 dB @ DC to 6 GHz ≥ 21 dB @ 6 GHz to 12 GHz
Insertion loss	≤ 0.1 x √f [GHz] dB
Insulation resistance	≥ 5 GΩ
Center contact resistance	≤ 6 mΩ
Outer contact resistance	≤ 2 mΩ
Test voltage (at sea level)	500 V rms
Working voltage (at sea level)	335 V rms
Contact Current	≤ 1.2A DC

- Connector only, Return loss in application depends decisive on PCB layout -

**Mechanical data**

Mating cycles	
if mating part is Smooth bore, Catcher's Mitt	≥ 1000
Center contact captivation	≥ 7 N
Engagement force	
- Smooth bore, Catcher's Mitt	≤ 9 N
Disengagement force	
- Smooth bore, Catcher's Mitt	≥ 2.2 N

**Environmental data**

Temperature range	-65 °C to +155 °C
Rapid change of temperature	IEC 60068-2-14 (-65 °C to 155 °C, 1h dwell, 50 cycles)
Vibration	MIL-STD-202, Method 204, Condition B
Shock	MIL-STD-202, Method 213, Condition A
Damp heat	IEC 60068-2-78 (40°C, 93% RH, 56d)
High temperature endurance	IEC 61169-1, Sub-clause 9.6 (+155 °C, 1000 hours)
Max. soldering temperature	IEC 61760-1, +260 °C for 10 sec.
RoHS	compliant

**Tooling**

N/A

**Suitable cables**

N/A

**Weight**

Weight 0.7 g/pce

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For the installation of the electrotechnical equipment, particular electrotechnical expertise is required.



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