



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

**Interface**

According to IEC 60169-15, EN 122110, MIL-STD-348A, Fig. 310

**Documents**

N/A

**Material and plating**

**Connector parts**

Center contact  
Outer contact  
Dielectric  
Coupling nut  
Gasket  
Substrate

**Material**

Brass  
Stainless steel  
PTFE  
Stainless steel  
Silicone  
Al<sub>2</sub>O<sub>3</sub>

**Plating**

Gold, min. 1.27 μm, over chemical nickel  
Passivated  
Passivated

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**Electrical data**

Impedance	50 Ω ± 5%
Frequency	DC to 18 GHz
Return loss	≥ 32.2 dB @ DC to 8 GHz ≥ 26.4 dB @ 8 GHz to 12.4 GHz ≥ 19.1 dB @ 12.4 GHz to 18 GHz
Center contact resistance	≤ 3 mΩ
Outer contact resistance	≤ 2 mΩ
Impulse Power (1μs, 1%)	100 Watts at 25°C environment temperature
Power handling (at 25 °C, sea level)	≤ 1 W derated linearity to 0 Watts at 125°C

**Mechanical data**

Mating cycles	≥ 500
Coupling nut retention	≥ 270 N
Coupling test torque	≤ 1.7 Nm
Recommended torque	0.8 Nm to 1.1 Nm

**Environmental data**

Temperature range	-55 °C to +155 °C
RoHS	compliant

**Tooling**

N/A

**Suitable cables**

N/A

**Weight**

2.3 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
Martin Moder	18.03.16	Armin Maiwalder	18.03.16	a01	16-0439	Kathrina Mitterer	18.03.16

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