



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

**Interface**

According to	SMP side:	MIL-STD-348A, Fig. 326
	SMA side:	IEC 60169-15; EN 122110; MIL-STD-348A, Fig. 310

**Documents**

N/A

**Material and plating**

**Connector parts**

	<b>Material</b>	<b>Plating</b>
Center contact	Beryllium copper	Gold, min. 1.27 µm, over chemical nickel
Outer contact SMP side	Stainless steel	Passivated
Outer contact SMA side	Stainless steel	Passivated
Dielectric	PTFE	

**Electrical data**

Impedance	50 Ω	
Frequency	DC to 26.5 GHz	
Return loss	≥ 32 dB, DC to 4 GHz	
	≥ 22 dB, 4 to 10 GHz	
	≥ 15 dB, 10 to 26.5 GHz	
Insertion loss	≤ 0.05 x √f(GHz) dB	
Insulation resistance	≥ 5 GΩ	
Center contact resistance	≤ 6.0 mΩ, SMP side;	≤ 3 mΩ, SMA side
Outer contact resistance	≤ 2.0 mΩ, SMP side;	≤ 2 mΩ, SMA side
Test voltage	500 V rms	
Working voltage	335 V rms	
Contact Current	1.2A DC max.	

**Mechanical data**

	SMP side	SMA side
Mating cycles	≥ 500	min. 500
Center contact captivation: axial	≥ 27 N	≥ 27 N
Engagement force		N/A
- limited detent	45 N max.	
Disengagement force		N/A
- limited detent	9 N min.	
Coupling test torque	N/A	max. 1.7 Nm
Recommended torque	N/A	0.8 Nm to 1.1 Nm

**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
2002/95/EC (RoHS)	compliant

**Tooling**

N/A

**Suitable cables**

N/A

**Packing**

Standard	1 pce in bag
Weight	5.0 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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