



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

Center contact
Outer contact SMP side
Outer contact SMA side
Dielectric

Material

Beryllium copper
Stainless steel
Stainless steel
PTFE

Plating

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

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
RoHS	compliant

Tooling

N/A

Suitable cables

N/A

Weight

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
Inge Mühlauer	24/08/04	Sa. Krautenbacher	12.03.14	d00	14-0352	T. Krojer	12.03.14
Rosenberger Hochfrequenztechnik GmbH & Co. KG P.O.Box 1260 D-84526 Tittmoning Germany www.rosenberger.de					Tel.: +49 8684 18-0 Fax: +49 8684 18-499 email: info@rosenberger.de		Page 2 / 2