



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
Coupling nut
Dielectric
Gasket

Material

Beryllium copper
Beryllium copper
Stainless steel
Stainless steel
PTFE
Silicone

Plating

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

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Electrical data

Impedance	50 Ω	
Frequency	DC to 26.5 GHz	
Return loss	≥ 35 dB, DC to 4 GHz	
	≥ 26 dB, 4 to 10 GHz	
	≥ 18 dB, 10 to 18 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		min. 500
if mating part is smooth bore	≥ 1000	
if mating part is limited detent	≥ 500	
if mating part is full detent	≥ 100	
Coupling nut retention	N/A	≥ 270 N
Center contact captivation: axial	≥ 27 N	≥ 27 N
Engagement force		N/A
- smooth bore	9 N max.	
- limited detent	45 N max.	
- full detent	68 N max.	
Disengagement force		N/A
- smooth bore	2.2 N min.	
- limited detent	9 N min.	
- full detent	22 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 5.9 g/pce

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