



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

Interface

Long-wipe side:

Related to

According to

SMA side:

According to

MIL-STD-348

Rosenberger Longwipe SMP 17K000-000

IEC 60169-15; EN 122110; MIL-STD-348

Documents

N/A

Material and plating

Connector parts

Center contact

Outer contact Long-wipe SMP side

Outer contact SMA side

Dielectric

Material

CuBe

CuBe

Stainless steel

PTFE

Plating

AuroDur®, gold plated

AuroDur®, gold plated

Passivated

Electrical data

Impedance	50 Ω	
Frequency	DC to 6 GHz	
Return loss	≥ 35 dB @ DC to 3 GHz	
	≥ 26 dB @ 3 GHz to 6 GHz	
Insertion loss	≤ 0.05 x √f [GHz] dB	
Insulation resistance	≥ 5 GΩ	
Center contact resistance	≤ 6 mΩ, Long-wipe side;	≤ 3 mΩ, SMA side
Outer contact resistance	≤ 2 mΩ, Long-wipe side;	≤ 2 mΩ, SMA side
Test voltage (at sea level)	500 V rms	
Working voltage (at sea level)	335 V rms	

Mechanical data

	Long-wipe SMP side	SMA side
Mating cycles		≥ 500
if mating part is Smooth bore	≥ 1000	
if mating part is Limited detent	≥ 500	
if mating part is Full detent	≥ 100	
Center contact captivation	≥ 27 N	≥ 27 N
Engagement force		N/A
- Smooth bore	≤ 9 N	
- Limited detent	≤ 45 N	
- Full detent	≤ 68 N	
Disengagement force		N/A
- Smooth bore	≥ 2.2 N	
- Limited detent	≥ 9 N	
- Full detent	≥ 22 N	

Environmental data

Temperature range	-65 °C to +155 °C
Rapid change of temperature (related to SMP)	IEC 60068-2-14 (-65°C to 155°C, 1h dwell, 50 cycles)
Vibration (related to SMP)	MIL-STD-202, Method 204, Condition B
Shock (related to SMP)	MIL-STD-202, Method 213, Condition A
Damp heat (related to SMP)	IEC 60068-2-78 (40°C, 93% RH, 56d)
High temperature endurance	IEC 60169-1, Sub-clause 18 (+155°C, 250 hours)
RoHS	compliant

Tooling

N/A

Suitable cables

N/A

Weight

Weight 4.6 g/pce

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