



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

Interface

Long-wipe side:

Related to

MIL-STD-348

According to

Rosenberger Longwipe SMP 17K000-000

SMA side:

According to

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

Documents

N/A

Material and plating

Connector parts

Center contact

Material

CuBe

Outer contact Long-wipe SMP side

CuBe

Outer contact SMA side

Stainless steel

Dielectric

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

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.

For the installation of the electrotechnical equipment, particular electrotechnical expertise is required.



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