



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

Interface

according to MIL-STD-348

Documents

N/A

Material and Plating

Connector parts

Center contact
Outer contact
Dielectric

Material

CuBe
CuBe
PTFE

Plating

AuroDur®, gold plated
AuroDur®, gold plated

Technical Data Sheet

Rosenberger

SMP

Adaptor
Jack - Jack

19K119-K38L5

Electrical Data

Impedance	50 Ω
Frequency	DC to 26.5 GHz
Return loss	≥ 28 dB @ DC to 4 GHz ≥ 18 dB @ 4 GHz to 12 GHz ≥ 15 dB @ 12 GHz to 18 GHz
Insertion loss	≤ 0.1 x √f [GHz] dB
Insulation resistance	≥ 5 GΩ
Center contact resistance	≤ 6 mΩ
Outer contact resistance	≤ 2 mΩ
Test voltage (at sea level)	500 V rms
Working voltage (at sea level)	335 V rms
Contact Current	≤ 1.2A DC

Mechanical Data

Mating cycles	
if mating part is Smooth bore, Catchers mit	≥ 1000
if mating part is Limited detent	≥ 500
if mating part is Full detent	≥ 100
Center contact captivation	≥ 7 N
Engagement force	
- Smooth bore, Catchers mit	≤ 9 N
- Limited detent	≤ 45 N
- Full detent	≤ 68 N
Disengagement force	
- Smooth bore, Catchers mit	≥ 2.2 N
- Limited detent	≥ 9 N
- Full detent	≥ 22 N

Environmental Data

Temperature range	-65 °C to +155 °C
Rapid change of temperature	IEC 60068-2-14 (-65°C to 155°C, 1h dwell, 50 cycles)
Vibration	MIL-STD-202, Method 204, Condition B
Shock	MIL-STD-202, Method 213, Condition A
Damp heat	IEC 60068-2-78 (40°C, 93% RH, 56d)
High temperature endurance	IEC 61169-1, Sub-clause 9.6 (+155°C, 1000 hours)
RoHS	compliant

Tooling

N/A

Suitable Cables

N/A

Weight

Weight 0.60 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.



Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
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