



All dimensions are in mm; tolerances according 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**

Gold, min. 0.15 µm, over chemical nickel  
Gold, min. 0.15 µm, over chemical nickel

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# Technical Data Sheet

# Rosenberger

SMP

Adaptor  
Jack - Jack

19K102-K00L5

## Electrical data

Impedance	50 Ω
Frequency	DC to 26.5 GHz
Return loss	≥ 30 dB, DC to 10 GHz ≥ 15 dB, 10 to 18 GHz
Insertion loss	≤ 0.1 x √f(GHz) dB, DC to 18 GHz
Insulation resistance	≥ 5 GΩ
Center contact resistance	≤ 6.0 mΩ
Outer contact resistance	≤ 2.0 mΩ
Test voltage	500 V rms
Working voltage	335 V rms
Contact Current	1.2A DC max.

## Mechanical data

Mating cycles	
if mating part is smooth bore	≥ 1000
if mating part is limited detent	≥ 500
if mating part is full detent	≥ 100
Center contact captivation	≥ 7 N
Engagement force	
- smooth bore	9 N max.
- limited detent	45 N max.
- full detent	68 N max.
Disengagement force	
- smooth bore	2.2 N min.
- limited detent	9 N min.
- full detent	22 N min.

## 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 0.2 g/pce

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



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