



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

Interface

According to MIL-STD-348

Documents

Assembly instruction N/A

Material and plating

Connector parts

Center contact
Outer contact
Dielectric

Material
Material
CuBe
CuBe
PTFE

Plating
Plating

AuroDur®, gold plated
AuroDur®, gold plated

Electrical data

Impedance 50 Ω
Frequency DC to 26.5 GHz
Return loss ≥ 26 dB, DC to 4 GHz
≥ 20 dB, 4 to 12 GHz
≥ 13 dB, 12 to 18 GHz

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Technical Data Sheet

Rosenberger

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Adaptor
SMP Jack - Jack

19K101-K00L5-NM

Insertion loss	$\leq 0.05 \times \sqrt{f(\text{GHz})}$ dB, DC to 18 GHz
Insulation resistance	$\geq 5 \text{ G}\Omega$
Center contact resistance	$\leq 6.0 \text{ m}\Omega$
Outer contact resistance	$\leq 2.0 \text{ m}\Omega$
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	$\geq 7 \text{ N}$
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 0.17 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.

Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
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