



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/pc

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Martin Moder	13.12.12	J_Krautenbacher	14.07.16	c00	15-1629	I_Wallner	14.07.16
Rosenberger Hochfrequenztechnik GmbH & Co. KG P.O.Box 1260 D-84526 Tittmoning Germany www.rosenberger.de						Tel. : +49 8684 18-0 Email : info@rosenberger.de	
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