



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

AuroDur®, gold plated
AuroDur®, gold plated

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SMP

Adaptor
Jack - Jack

19K101-K00L5

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
 Insertion loss ≤ 0.05 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 0.17 g/pce

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



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RF_35/09.14/6.2

Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
Rong Fang	25.04.07	Chr. Janßen	22.10.20	g00	20-1927	S. Huber-Siegl	22.10.20
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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