



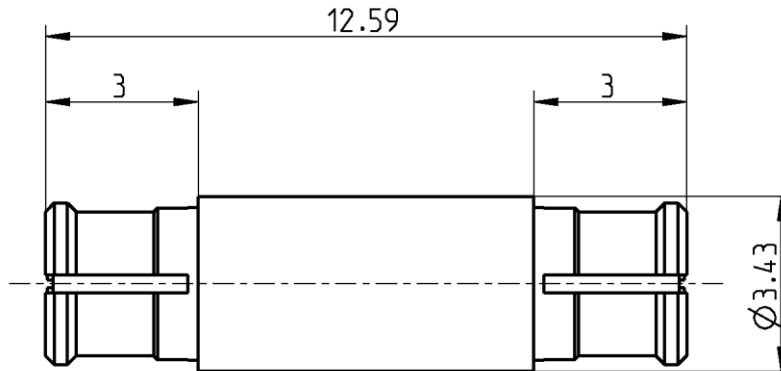
**THE DATASHEET OF
19K114-K00L5**



SMP

Adaptor
Jack - Jack

19K114-K00L5



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

19K114-K00L5

Electrical data

Impedance	50 Ω
Frequency	DC to 26.5 GHz
Return loss	≥ 28 dB, DC to 4 GHz ≥ 18 dB, 4 to 12 GHz ≥ 15 dB, 12 to 18 GHz
Insertion loss	≤ 0.1 x $\sqrt{f(\text{GHz})}$ 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 0.5 g/pce

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



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Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
König A.	27.09.07	Chr. Janßen	26.10.20	d00	20-1927	S. Huber-Siegl	26.10.20

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