



All dimensions are in mm; tolerances acc. ISO 2768 m-H

Interface

According to	SMP side:	MIL-STD-348A, Fig. 326
	SMA side:	IEC 60169-15; EN 122110; MIL-STD-348A, Fig. 310

Documents

N/A

Material and plating

Connector parts

- Center contact
- Outer contact SMP side
- Outer contact SMA side
- Coupling nut
- Dielectric
- Gasket

Material

- Beryllium copper
- Beryllium copper
- Stainless steel
- Stainless steel
- PTFE
- Silicone

Plating

- Gold, min. 1.27 µm, over chemical nickel
- Gold, min. 1.27 µm, over chemical nickel
- Passivated
- Passivated

ADAPTOR
SMP JACK – SMA PLUG

19K132-S00D3

Electrical data

Impedance	50 Ω
Frequency	DC to 26.5 GHz
Return loss	≥ 35 dB, DC to 4 GHz ≥ 26 dB, 4 to 10 GHz ≥ 18 dB, 10 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, SMP side; ≤ 3 mΩ, SMA side
Outer contact resistance	≤ 2.0 mΩ, SMP side; ≤ 2 mΩ, SMA side
Test voltage	500 V rms
Working voltage	335 V rms
Contact Current	1.2A DC max.

Mechanical data

	SMP side	SMA side
Mating cycles		min. 500
if mating part is smooth bore	≥ 1000	
if mating part is limited detent	≥ 500	
if mating part is full detent	≥ 100	
Coupling nut retention	N/A	≥ 270 N
Center contact captivation: axial	≥ 27 N	≥ 27 N
Engagement force		N/A
- smooth bore	9 N max.	
- limited detent	45 N max.	
- full detent	68 N max.	
Disengagement force		N/A
- smooth bore	2.2 N min.	
- limited detent	9 N min.	
- full detent	22 N min.	
Coupling test torque	N/A	max. 1.7 Nm
Recommended torque	N/A	0.8 Nm to 1.1 Nm

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
2002/95/EC (RoHS)	compliant

Tooling

N/A

Suitable cables

N/A

Packing

Standard	1 pce in bag
Weight	5.9 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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