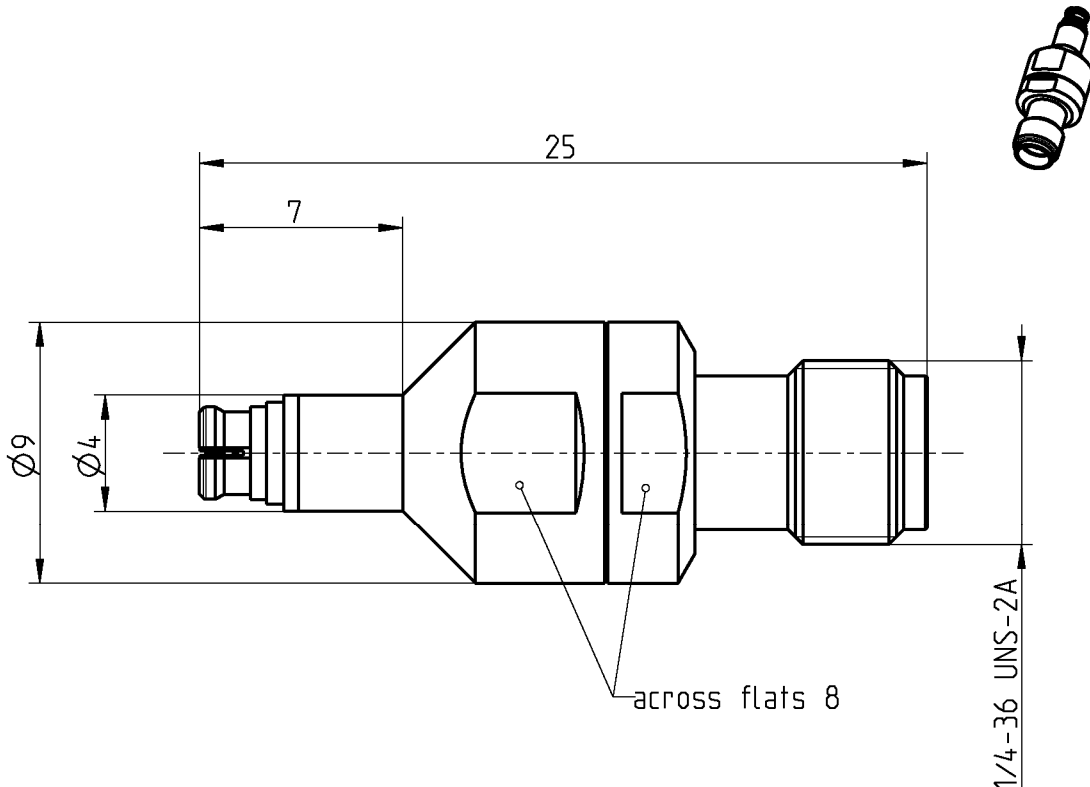


TECHNICAL DATA SHEET		Rosenberger	
ADAPTOR SMP JACK – SMA JACK		19K132-K00D3	
			
All dimensions are in mm; tolerances acc. ISO 2768 m-H			
Interface			
According to	SMP side:	MIL-STD-348A, Fig. 326	
	SMA side:	IEC 60169-15; EN 122110; MIL-STD-348A, Fig. 310	
Documents			
		N/A	
Material and plating			
Connector parts		Material	Plating
Center contact		Beryllium copper	Gold, min. 0.8 µm, over chemical nickel
Outer contact SMP side		Beryllium copper	Gold, min. 1.27 µm, over chemical nickel
Outer contact SMA side		Stainless steel	Passivated
Dielectric		PTFE	
Rosenberger Hochfrequenztechnik GmbH & Co. KG P.O.Box 1260 D-84526 Tittmoning Germany www.rosenberger.de		Tel.: +49 8684 18-0 Fax: +49 8684 18-499 email: info@rosenberger.de	
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TECHNICAL DATA SHEET

RosenbergerADAPTOR
SMP JACK – SMA JACK**19K132-K00D3****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	$\leq 0.05 \times \sqrt{f(\text{GHz})}$ dB	
Insulation resistance	≥ 5 G Ω	
Center contact resistance	≤ 6.0 m Ω , SMP side;	≤ 3 m Ω , SMA side
Outer contact resistance	≤ 2.0 m Ω , SMP side;	≤ 2 m Ω , 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	
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	4.6 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
Inge Mühlauer	17/08/04	B. Aicher	19.11.12	c00	12-1011	S. Krautenb.	19.11.12
Rosenberger Hochfrequenztechnik GmbH & Co. KG P.O.Box 1260 D-84526 Tittmoning Germany www.rosenberger.de					Tel.: +49 8684 18-0 Fax: +49 8684 18-499 email: info@rosenberger.de		Page 2 / 2