Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

Contact us

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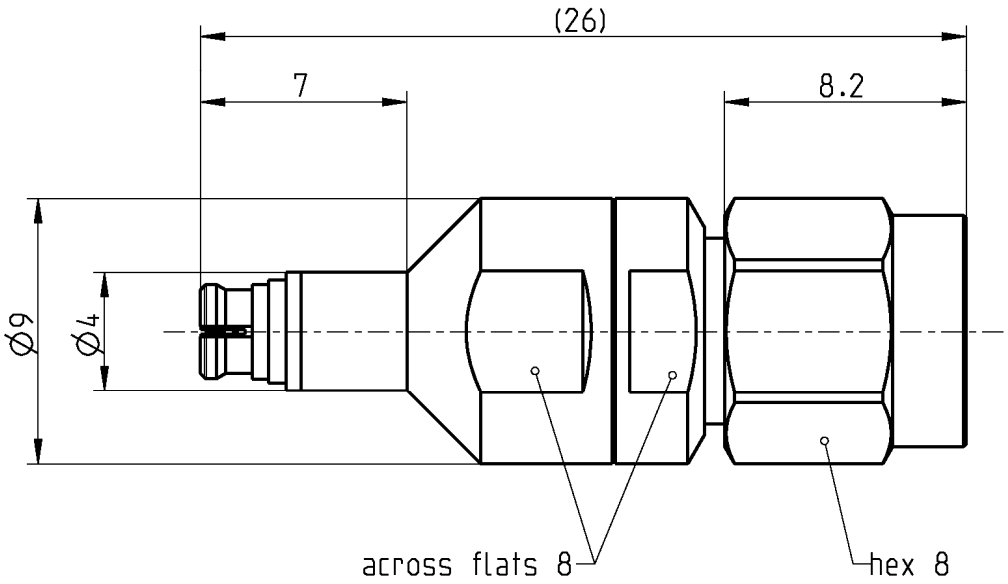
TECHNICAL DATA SHEET	Rosenberger
ADAPTOR SMP JACK – SMA PLUG	**19K132-S00D3**



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

Interface

According to	SMP side:	MIL-STD-348
	SMA side:	IEC 60169-15; EN 122110; MIL-STD-348

Documents

N/A

Material and plating

Connector parts	**Material**	**Plating**
Center contact	Beryllium copper	Gold, min. 1.27 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
Coupling nut	Stainless steel	Passivated
Dielectric	PTFE	
Gasket	Silicone	

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TECHNICAL DATA SHEET	Rosenberger
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	$\leq 0.05 \times \sqrt{f(GHz)}$ dB	
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
RoHS	compliant

Tooling

N/A

Suitable cables

N/A

Weight

Weight 5.9 g/pce

Draft	Date	Approved	Date
Inge Mühlauer	17/08/04	J_Krautenbacher	14.07.16

Rev.	Engineering change number	Name	Date
e00	15-1629	I_Wallner	14.07.16

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