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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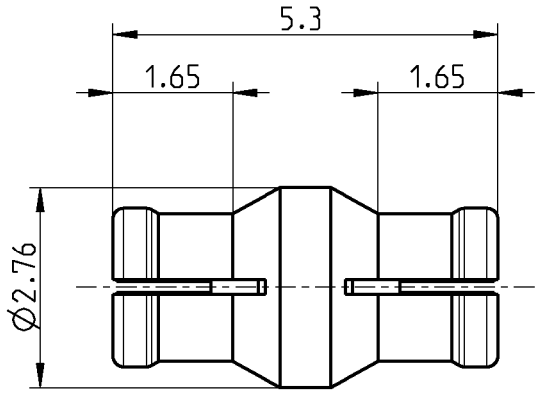
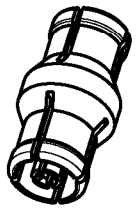
TECHNICAL DATA SHEET

Rosenberger

ADAPTOR
Mini SMP JACK - JACK

18K101-K00L5





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

Interface

According to	MIL-STD-348 Mateable with GPPO™ (Gilbert Engineering Co., Inc.) and SSMP™ (Connectors Devices, Inc.)

Documents

N/A

Material and plating

Connector parts	**Material**	**Plating**
Center contact	CuBe	AuroDur®, gold plated
Outer contact	CuBe	AuroDur®, gold plated
Dielectric	PTFE	

RF_35/08.06/4.0

Rosenberger Hochfrequenztechnik GmbH & Co. KG
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TECHNICAL DATA SHEET	Rosenberger
ADAPTOR Mini SMP JACK - JACK	**18K101-K00L5**

Electrical data

Impedance	50 Ω
Frequency	DC to 65 GHz
Return loss	≥ 26 dB, DC to 18 GHz
	≥ 15 dB, 18 to 26.5 GHz
	≥ 13 dB, 26.5 to 50 GHz
Insertion loss	$\leq 0.05 \times \sqrt{f(GHz)}$ dB
Insulation resistance	≥ 5 GΩ
Center contact resistance	≤ 6.0 mΩ
Outer contact resistance	≤ 2.0 mΩ
Working voltage (at sea level)	325 V rms
(at 70000 feet)	125 V rms

Mechanical data

Mating cycles	
if mating part is smooth bore	≥ 500
if mating part is full detent	≥ 100
Center contact captivation	≥ 7 N
Engagement force	
- smooth bore	11 N typical
- full detent	19 N typical
Disengagement force	
- smooth bore	11 N typical
- full detent	29 N typical

Environmental data

Temperature range	-55°C to +155°C
Thermal shock	MIL-STD-202, Method 107, Condition B
Vibration	MIL-STD-202, Method 204, Condition A
Shock	MIL-STD-202, Method 213, Condition A
Moisture resistance	MIL-STD-202, Method 106
Climatic Category	IEC 60068 55/155/21
RoHS	compliant

Tooling

N/A

Suitable cables

N/A

Weight

Weight	0.1 g/pce

Draft	Date	Approved	Date
J. Wengler	25/01/08	B. Aicher	03.03.16

Rev.	Engineering change number	Name	Date
e00	15-1674	Fl. Öllerer	03.03.16

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