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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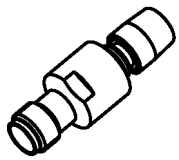
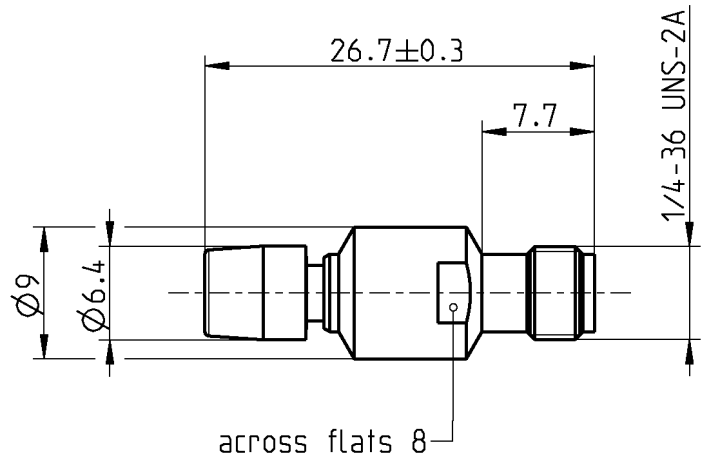
TECHNICAL DATA SHEET

Rosenberger

ADAPTOR
SMB JACK – SMA JACK

59K132-K00L5





All dimensions are in mm; tolerances according to ISO 2768 m-H

Interface

According to	SMB side:	IEC 60169-10, CECC 22130, US MIL-C-39012
	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	AuroDur, gold plated
Outer contact SMB side	Beryllium copper	AuroDur, gold plated
Outer contact SMA side	Beryllium copper or equivalent	AuroDur, gold plated
Dielectric	PTFE	

RF_35/12.04/3.0

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TECHNICAL DATA SHEET	Rosenberger
ADAPTOR SMB JACK – SMA JACK	**59K132-K00L5**

Electrical data

Impedance	50 Ω	
Frequency	DC to 4 GHz	
Return loss	≥ 35 dB, DC to 1 GHz	
	≥ 27 dB, 1 to 4 GHz	
Insertion loss	$\leq 0.05 \times \sqrt{f(GHz)}$ dB	
Insulation resistance	≥ 1×10^3 MΩ	
Center contact resistance	≤ 5 mΩ, SMB side	≤ 3 mΩ, SMA side
Outer contact resistance	≤ 2.5 mΩ, SMB side	≤ 2 mΩ, SMA side
Test voltage	750 V rms, 50 Hz, at sea level	
Working voltage	≤ 250 V rms, 50 Hz, at sea level	
Contact current	1.5 A DC typ.	
RF-leakage	≥ 55 dB up to 1 GHz	

Mechanical data

	SMB side	SMA side
Mating cycles	min. 500	min. 500
Coupling test torque	N/A	max. 1.7 Nm
Recommended torque	N/A	0.8 Nm to 1.1 Nm
Center contact captivation: axial	≥ 10 N	≥ 10 N
Engagement force	≤ 63 N	N/A
Disengagement force	8 N min. to 63 N max.	N/A

Environmental data

Temperature range	-55°C to +155°C
Thermal shock	MIL-STD-202, Meth. 107, Cond. B
Vibration	MIL-STD-202, Meth. 204, Cond. B
Corrosion	MIL-STD-202, Meth. 101, Cond. B
Moisture resistance	MIL-STD-202, Meth. 106
RoHS	compliant

Tooling

N/A

Suitable cables

N/A

Weight

Weight	5.9 g/pce

Draft	Date	Approved	Date
Inge Mühlauer	14/12/04	Sa. Krautenbacher	20.03.14

Rev.	Engineering change number	Name	Date
b00	14-0352	T. Krojer	20.03.14

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