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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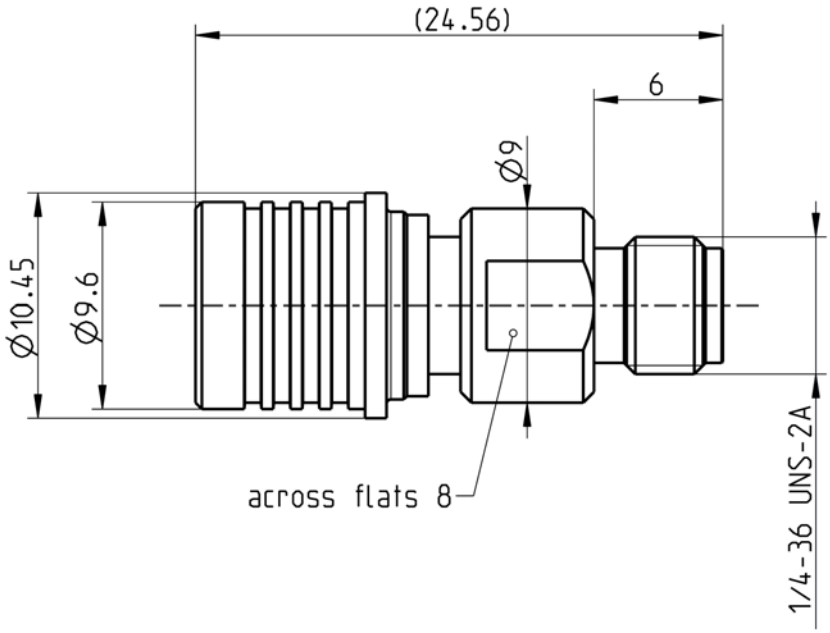
TECHNICAL DATA SHEET

Rosenberger

ADAPTOR
QMA PLUG – SMA JACK

28S132-K00N5



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

Interface

According to	QMA side:	Rosenberger 28S000-000, series QMA Rosenberger is an authorised QLF® manufacturer
	SMA side:	IEC 60169-15; EN 122110; MIL-STD-348A, Fig. 310

Documents

N/A

Material and plating

Connector parts	**Material**	**Plating**
Center contact	CuBe	AuroDur®, gold plated
Outer contact QMA side	Spring bronze	White bronze(e.g. Optalloy®)
Outer contact SMA side	Brass	White bronze(e.g. Optalloy®)
Dielectric	PTFE	
Unlocking sleeve	Brass	White bronze(e.g. Optalloy®)

Rosenberger Hochfrequenztechnik GmbH & Co. KG
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TECHNICAL DATA SHEET	Rosenberger
ADAPTOR QMA PLUG – SMA JACK	**28S132-K00N5**

Electrical data

Impedance	50 Ω	
Frequency	DC to 18 GHz	
Return loss	≥ 32 dB, DC to 3 GHz	
	≥ 28 dB, 3 to 6 GHz	
Insertion loss	$\leq 0.03 \times \sqrt{f(GHz)}$ dB, DC to 6 GHz	
Insulation resistance	≥ 5 x10^3 MΩ	
Center contact resistance	≤ 3 mΩ, QMA side	≤ 3 mΩ, SMA side
Outer contact resistance	≤ 2.5 mΩ, QMA side	≤ 2 mΩ, SMA side
Test voltage	1000 V rms	
Working voltage	480 V rms	
RF-leakage	≥ 95 dB up to 2 GHz	
	≥ 80 dB up to 4 GHz	
	≥ 70 dB up to 6 GHz	

Mechanical data

	QMA side	SMA side
Mating cycles	min. 100	min. 100
Coupling nut retention	N/A	N/A
Center contact captivation: axial	≥ 20 N	≥ 20 N
Coupling test torque	N/A	0.5 Nm
Recommended torque	N/A	max. 0.6 Nm
Engagement force	typ. 25 N	N/A
Disengagement force	typ. 20 N	N/A
Retention force for interface	60 N min.	N/A

Environmental data

Temperature range	-40°C to +85°C
Storage temperature	-40°C to +85°C
Thermal shock	IEC 60169-1 16.4 (-40 / +85°C)
Corrosion	IEC 60169-1 16.7 (48 hrs)
Vibration	IEC 60068-2-64 random
Damp heat, steady state	IEC 60169-1 16.3 (96 hrs)
RoHS	compliant

Weight

Weight	7.3 g/pce

Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
M. Schmid	06/12/07	Sa. Krautenbacher	13.03.14	c00	14-0352	T. Krojer	13.03.14

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