



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!



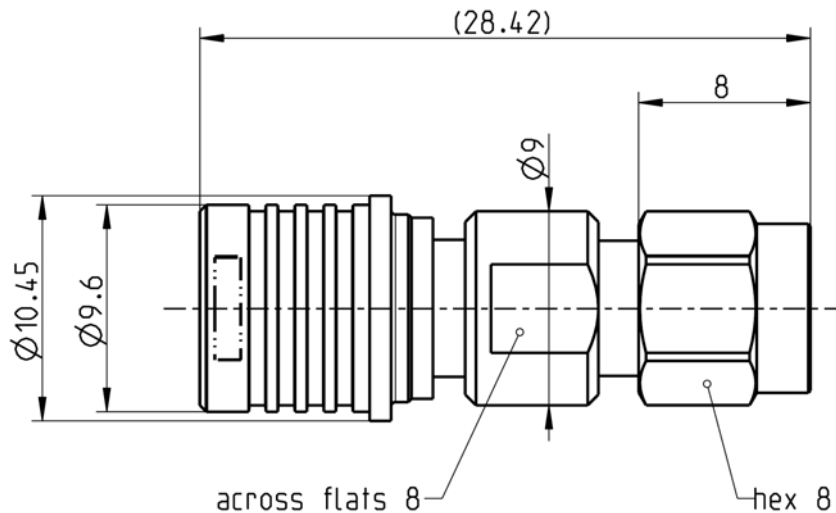
## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China





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**

Center contact  
Outer contact QMA side  
Outer contact SMA side  
Dielectric  
Unlocking sleeve  
Coupling nut SMA side  
Gasket

**Material**

Brass  
Spring bronze  
Brass  
PTFE  
Brass  
Brass  
Silicone

**Plating**

AuroDur®, gold plated  
White bronze(e.g. Optalloy®)  
Flash white bronze over silver(e.g. Optargen®)  
White bronze(e.g. Optalloy®)  
White bronze(e.g. Optalloy®)

**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	≤ 0.03 x √f(GHz) dB, DC to 6 GHz	
Insulation resistance	≥ 5 x10 <sup>3</sup> 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	≥ 180 N
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	9.21 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
Rong Fang	26/02/07	Sa. Krautenbacher	13.03.14	d00	14-0352	T. Krojer	13.03.14
Rosenberger Hochfrequenztechnik GmbH & Co. KG P.O.Box 1260 D-84526 Tittmoning Germany <a href="http://www.rosenberger.de">www.rosenberger.de</a>					Tel.: +49 8684 18-0 Fax: +49 8684 18-499 email: <a href="mailto:info@rosenberger.de">info@rosenberger.de</a>		Page 2 / 2