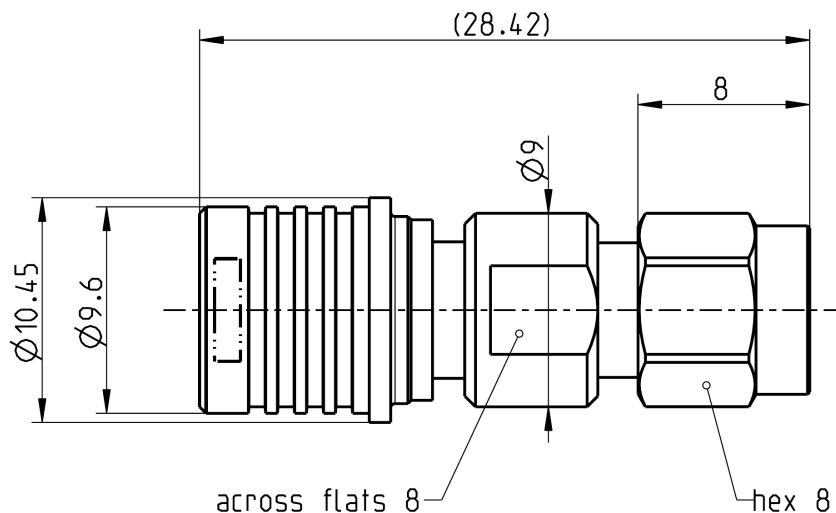




All dimensions are in mm; tolerances according to ISO 2768 m-H

Interface

According to QMA side: Rosenberger 28S000-000, series QMA
 SMA side: Rosenberger is an authorised QLF® manufacturer
 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®)

ADAPTOR
QMA PLUG – SMA PLUG**28S132-S00N5****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	$\leq 0.03 \times \sqrt{f(\text{GHz})}$ dB, DC to 6 GHz	
Insulation resistance	$\geq 5 \times 10^3$ M Ω	
Center contact resistance	≤ 3 m Ω , QMA side	≤ 3 m Ω , SMA side
Outer contact resistance	≤ 2.5 m Ω , QMA side	≤ 2 m Ω , 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)
2002/95/EC (RoHS)	compliant

Packing

Standard	1 pce in bag
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	Schwangler	16.03.11	c00	11-0222	S.Kra.	16.03.11
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