



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

**Interface**

According to	QMA side:	Rosenberger 28K000-000, 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  
Dielectric

**Material**

CuBe  
Brass  
PTFE

**Plating**

AuroDur®, gold plated  
White bronze(e.g. Optalloy®)

ADAPTOR  
QMA JACK – SMA JACK**28K132-K00N5****Electrical data**

Impedance	50 $\Omega$	
Frequency	DC to 18 GHz	
Return loss	$\geq 32$ dB, DC to 3 GHz $\geq 28$ 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 $\Omega$	
Center contact resistance	$\leq 3$ m $\Omega$ , QMA side	$\leq 3$ m $\Omega$ , SMA side
Outer contact resistance	$\leq 2.5$ m $\Omega$ , QMA side	$\leq 2$ m $\Omega$ , SMA side
Test voltage	1000 V rms	
Working voltage	480 V rms	
RF-leakage	$\geq 95$ dB up to 2 GHz $\geq 80$ dB up to 4 GHz $\geq 70$ 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	$\geq 20$ N	$\geq 20$ 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	4.1 g/pce
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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
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