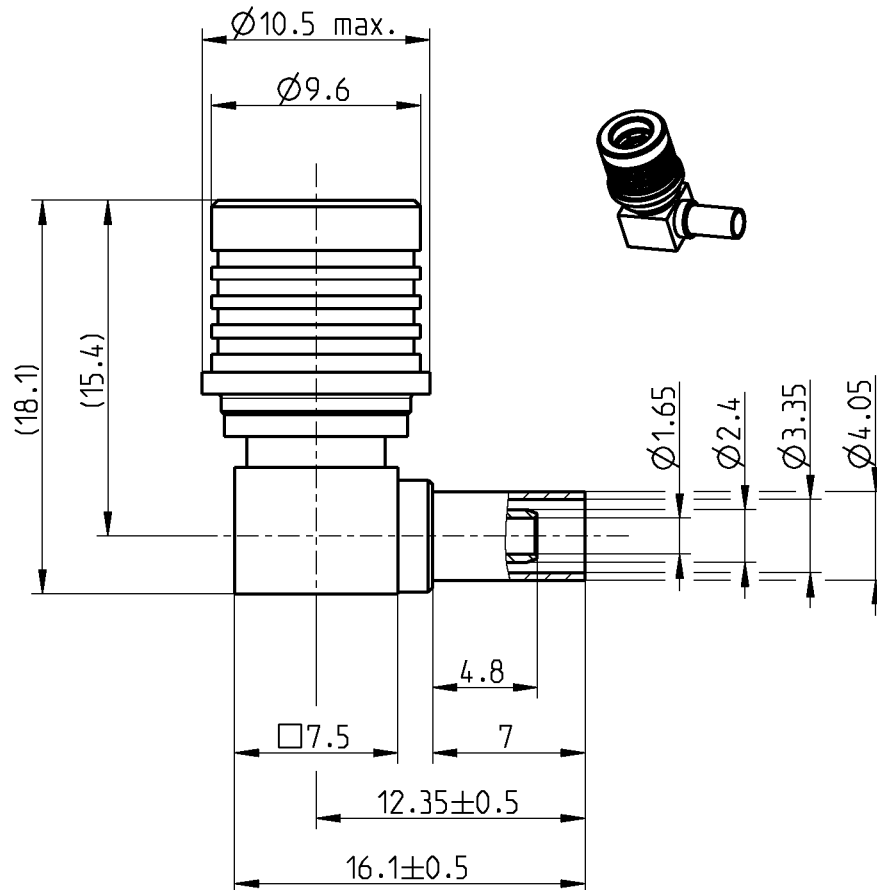




All dimensions are in mm; tolerances according to ISO 2768 m-H

Interface

According to

Rosenberger 28S000-000, series QMA

Rosenberger is an authorised QLF® manufacturer

Documents

Assembly instruction

28 B

Material and plating

Connector parts

Center contact
Outer contact
Body
Dielectric
Unlocking sleeve
Crimping ferrule

Material

Brass
Spring bronze
Brass
PTFE
Brass
Copper

Plating

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

White bronze(e.g. Optalloy®)
Flash white bronze over silver(e.g. Optargen®)

Impedance	$50\ \Omega$
Frequency	DC to 18 GHz
Return loss	$\geq 26\ \text{dB}$, DC to 3 GHz $\geq 24\ \text{dB}$, 3 to 4 GHz $\geq 18\ \text{dB}$, 4 to 6 GHz
Insertion loss	$\leq 0.05 \times \sqrt{f(\text{GHz})}$ dB, DC to 6 GHz
Insulation resistance	$\geq 5 \times 10^3\ \text{M}\Omega$
Center contact resistance	$\leq 3\ \text{m}\Omega$
Outer contact resistance	$\leq 2.5\ \text{m}\Omega$
Test voltage, at sea level, 50Hz	750 V rms
Working voltage, at sea level, 50Hz	350 V rms
RF-leakage	$\geq 95\ \text{dB}$ up to 2 GHz $\geq 80\ \text{dB}$ up to 4 GHz $\geq 70\ \text{dB}$ up to 6 GHz

Mechanical data

Mating cycles	min. 100
Center contact captivation: axial	≥ 20 N
Engagement force	typ. 25 N
Disengagement force	typ. 20 N
Retention force for interface	60 N min.

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

Crimping tool	11W150-000
Crimp insert	11W150-102

RG 316 /U-d, K02252d

Weight	6.9 g/pce
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Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
Inge Mühlauer	12/10/07	Sa. K.	13.03.14	c00	14-0352	T. Krojer	13.03.14

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