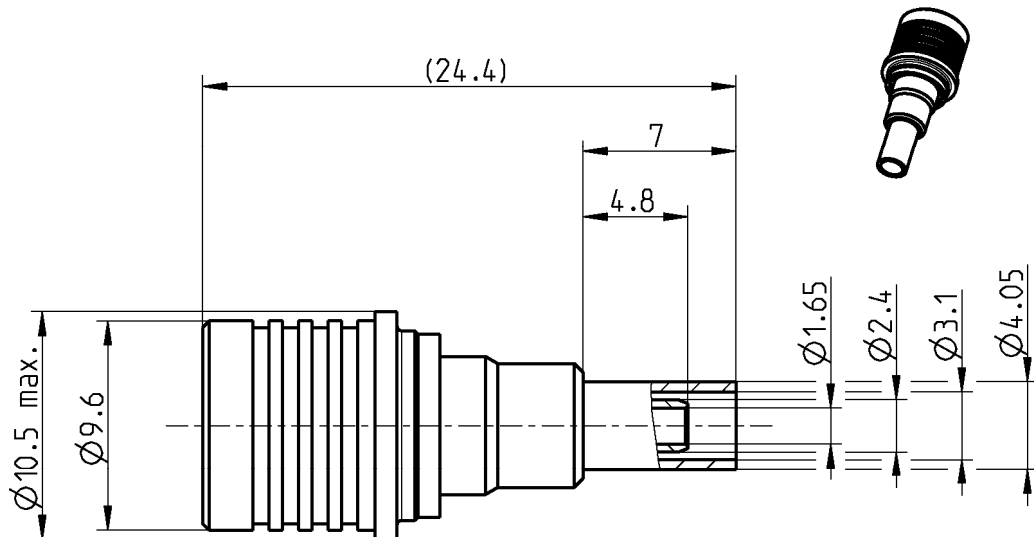




All dimensions are in mm; tolerances according to ISO 2768 m-H

Interface

According to

Rosenberger 28S000-000, series QMA

Rosenberger is an authorised QLF® manufacturer

Documents

Assembly instruction

28 D

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®)

TECHNICAL DATA SHEET				Rosenberger			
QMA STRAIGHT PLUG				28S107-302N5			
Electrical data							
Impedance		50 Ω					
Frequency		DC to 18 GHz					
Return Loss		≥ 32 dB, DC to 3 GHz					
		≥ 28 dB, 3 to 4 GHz					
		≥ 25 dB, 4 to 6 GHz					
Insertion loss		≤ 0.05 x √f(GHz) dB, DC to 6 GHz					
Insulation resistance		≥ 5 x10 ³ MΩ					
Center contact resistance		≤ 3 mΩ					
Outer contact resistance		≤ 2.5 mΩ					
Test voltage, at sea level, 50Hz		750 V rms					
Working voltage, at sea level, 50Hz		350 V rms					
RF-leakage		≥ 95 dB up to 2 GHz					
		≥ 80 dB up to 4 GHz					
		≥ 70 dB up to 6 GHz					
- Limitations are possible due to the used cable type -							
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.					
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					
Tooling							
Crimping tool		11W150-000					
Crimp insert		11W150-102					
Suitable cables							
RG 316 /U, RG 174 A/U, RG 188 A/U							
Weight							
Weight		5.3 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
Inge Mühlauer	05/10/04	Sa. Krautenbacher	13.03.14	f00	14-0352	T. Krojer	13.03.14
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