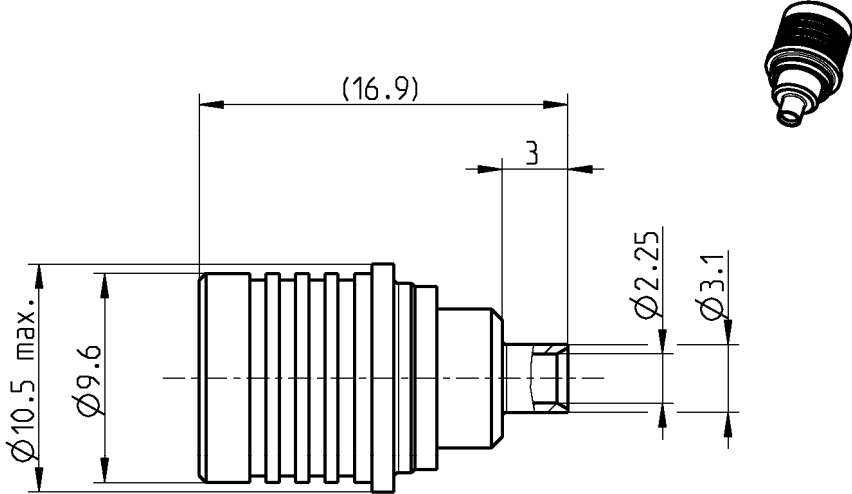


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TECHNICAL DATA SHEET		Rosenberger	
QMA STRAIGHT PLUG		28S107-271N5	
			
All dimensions are in mm; tolerances according to ISO 2768 m-H			
Interface		According to	
		Rosenberger 28S000-000, series QMA Rosenberger is an authorised QLF® manufacturer	
Documents		Assembly instruction	
		28 A	
Material and plating			
Connector parts		Material	Plating
Center contact		Beryllium copper	AuroDur, gold plated
Outer contact		Spring bronze	White bronze(e.g. Optalloy®)
Body		Brass	AuroDur, gold plated
Dielectric		PTFE	
Unlocking sleeve		Brass	White bronze(e.g. Optalloy®)
Rosenberger Hochfrequenztechnik GmbH & Co. KG P.O.Box 1260 D-84526 Tittmoning Germany www.rosenberger.de		Tel.: +49 8684 18-0 Fax: +49 8684 18-499 email: info@rosenberger.de	
		Page 1 / 2	

TECHNICAL DATA SHEET				Rosenberger			
QMA STRAIGHT PLUG				28S107-271N5			
Electrical data Impedance Frequency Return loss Insertion loss Insulation resistance Center contact resistance Outer contact resistance Test voltage, at sea level, 50Hz Working voltage, at sea level, 50Hz RF-leakage Intermodulation (3rd order) 50 Ω DC to 18 GHz ≥ 32 dB, DC to 3 GHz ≥ 23 dB, 3 to 6 GHz ≤ 0.05 x √f(GHz) dB, DC to 6 GHz ≥ 5 x10³ MΩ ≤ 3 mΩ ≤ 2.5 mΩ 1000 V rms 250 V rms ≥ 95 dB up to 2 GHz ≥ 80 dB up to 4 GHz ≥ 70 dB up to 6 GHz ≤ -130 dBc @ 2 x 20 W - Limitations are possible due to the used cable type -							
Mechanical data Mating cycles Center contact captivation: axial Engagement force Disengagement force Retention force for interface min. 100 ≥ 20 N typ. 25 N typ. 20 N 60 N min.							
Environmental data Temperature range Storage temperature Thermal shock Corrosion Vibration Damp heat, steady state RoHS -40°C to +85°C -40°C to +85°C IEC 60169-1 16.4 (-40 / +85°C) IEC 60169-1 16.7 (48 hrs) IEC 60068-2-64 random IEC 60169-1 16.3 (96 hrs) compliant							
Tooling N/A							
Suitable cables UT 85, RG 405							
Weight 6.0 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	
Inge Mühlauer		05/10/04		Sa. Krautenbacher		13.03.14	
Rev.		Engineering change number		Name		Date	
g00		14-0352		T. Krojer		13.03.14	
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