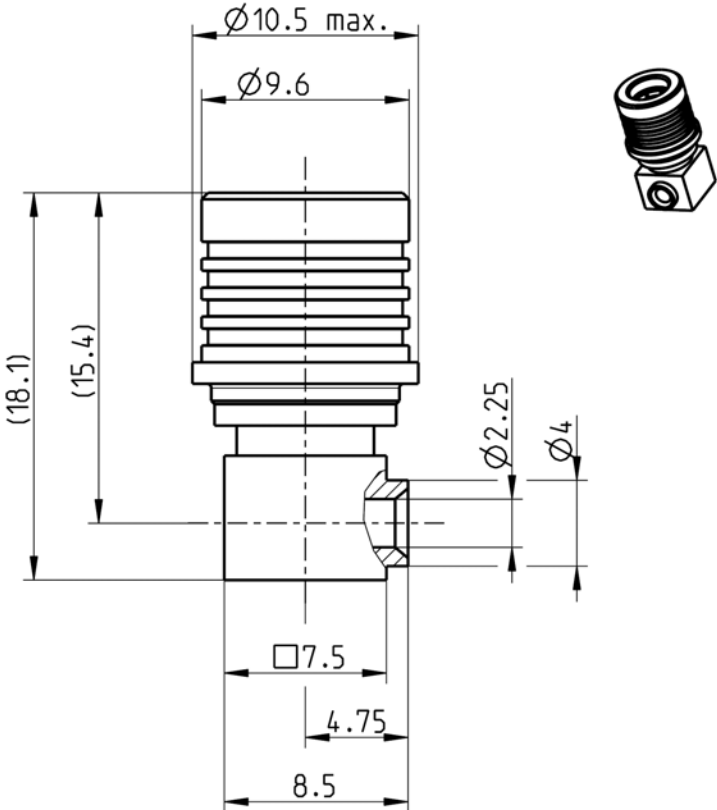


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TECHNICAL DATA SHEET		Rosenberger																			
QMA RIGHT ANGLE PLUG		28S206-271N5																			
																					
All dimensions are in mm; tolerances according to ISO 2768 m-H																					
Interface		According to Rosenberger 28S000-000, series QMA Rosenberger is an authorised QLF® manufacturer																			
Documents		Assembly instruction 28 C6																			
Material and plating		<table><tr><th>Connector parts</th><th>Material</th><th>Plating</th></tr><tr><td>Center contact</td><td>Brass</td><td>AuroDur, gold plated</td></tr><tr><td>Outer contact</td><td>Spring bronze</td><td>White bronze(e.g. Optalloy®)</td></tr><tr><td>Body</td><td>Brass</td><td>AuroDur, gold plated</td></tr><tr><td>Dielectric</td><td>PTFE</td><td></td></tr><tr><td>Unlocking sleeve</td><td>Brass</td><td>White bronze(e.g. Optalloy®)</td></tr></table>		Connector parts	Material	Plating	Center contact	Brass	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®)
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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 RIGHT ANGLE PLUG				28S206-271N5			
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		1000 V rms					
Working voltage, at sea level, 50Hz		250 V rms					
		≥ 95 dB up to 2 GHz					
		≥ 80 dB up to 4 GHz					
		≥ 70 dB up to 6 GHz					
RF-leakage		≤ -130 dBc @ 2 x 20 W					
Intermodulation (3 rd order)		≤ -130 dBc @ 2 x 20 W					
- 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							
		N/A					
Suitable cables							
		UT 85, RG 405					
Weight							
Weight		6.4 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	h00	14-0352	T. Krojer	13.03.14
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 2 / 2