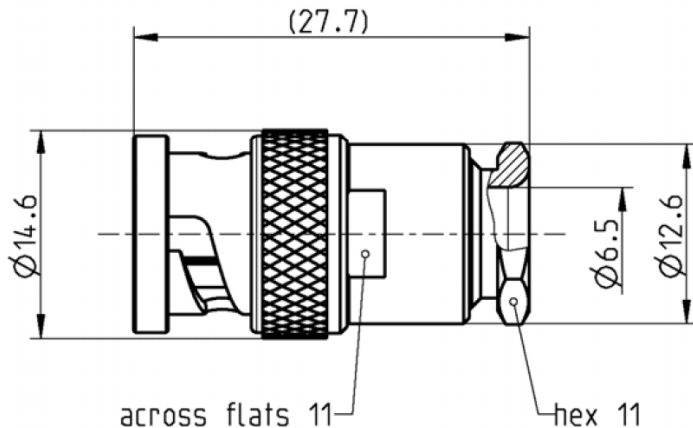


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Technical Data Sheet		Rosenberger																																				
BNC 75 Ω	STRAIGHT PLUG	71S106-009N5																																				
 All dimensions are in mm; tolerances according to ISO 2768 m-H <table><tr><td colspan="3">Interface</td></tr><tr><td>Compatible to</td><td colspan="2">IEC 61169-8, MIL-PRF-39012, CECC 22120</td></tr><tr><td colspan="3">Documents</td></tr><tr><td>Assembly instruction</td><td colspan="2">51 E</td></tr><tr><td colspan="3">Material and plating</td></tr><tr><td>Connector parts</td><td>Material</td><td>Plating</td></tr><tr><td>Center contact</td><td>Brass</td><td>AuroDur®, gold plated</td></tr><tr><td>Outer contact</td><td>Brass</td><td>Flash white bronze over silver(e.g. Optargen®)</td></tr><tr><td>Body</td><td>Brass</td><td>Flash white bronze over silver(e.g. Optargen®)</td></tr><tr><td>Dielectric</td><td>PTFE</td><td></td></tr><tr><td>Gasket</td><td>NeopreneCR 50C6</td><td></td></tr><tr><td>Gasket</td><td>Silicone</td><td></td></tr></table>			Interface			Compatible to	IEC 61169-8, MIL-PRF-39012, CECC 22120		Documents			Assembly instruction	51 E		Material and plating			Connector parts	Material	Plating	Center contact	Brass	AuroDur®, gold plated	Outer contact	Brass	Flash white bronze over silver(e.g. Optargen®)	Body	Brass	Flash white bronze over silver(e.g. Optargen®)	Dielectric	PTFE		Gasket	NeopreneCR 50C6		Gasket	Silicone	
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Electrical data Impedance75 Ω FrequencyDC to 4 GHz Return loss≥ 33 dB @ DC to 1 GHz ≥ 30 dB @ 1 GHz to 2 GHz ≥ 28 dB @ 2 GHz to 4 GHz Insertion loss≤ 0.05 x √ f [GHz] dB Insulation resistance≥ 5 GΩ Center contact resistance≤ 1.5 mΩ Outer contact resistance≤ 1 mΩ Test voltage (at sea level)1500 V rms Working voltage (at sea level)400 V rms Power handling (at 20 °C, sea level, VSWR 1.0)80 W @ 2 GHz - Limitations are possible due to the used cable type - Mechanical data Mating cycles≥ 500 Center contact captivation: axial≥ 15 N Environmental data Temperature range-65 °C to +165 °C Thermal shockMIL-STD-202, Method 107, Condition B Corrosion resistanceMIL-STD-202, Method 101, Condition B VibrationMIL-STD-202, Method 204, Condition B ShockMIL-STD-202, Method 213, Condition G Moisture resistanceMIL-STD-202, Method 106 RoHScompliant Tooling N/A Suitable cables RG 59 B/U Weight Weight16.0 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	Rev.	Engineering change number	Name	Date
Inge Mühlauer	03.08.04	Sa. Krautenbacher	24.03.14	d00	14-0352	T. Krojer	24.03.14
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