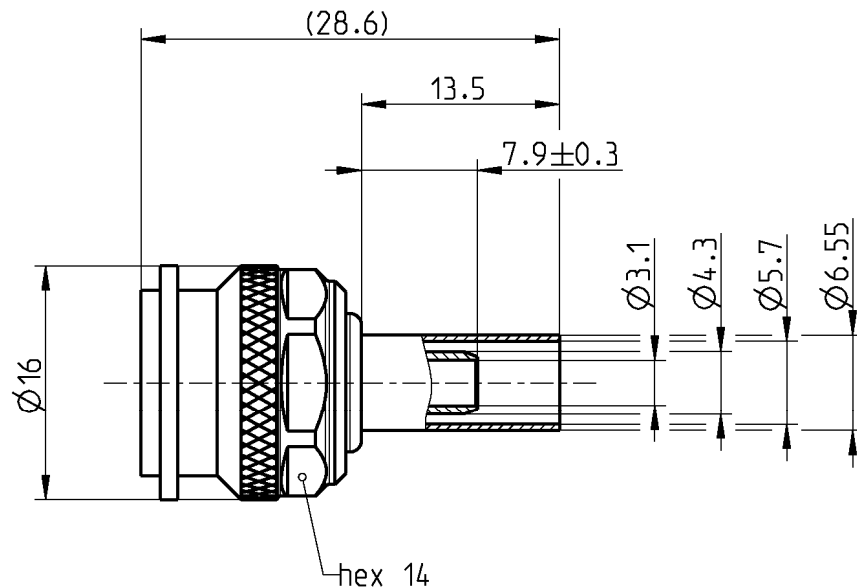




All dimensions are in mm; tolerances according to ISO 2768 m-H

Interface

According to

IEC 60169-17, MIL-PRF-39012, DIN EN 122200

Documents

Assembly instruction

51 P10

Material and plating

Connector parts

Center contact
Outer contact
Body
Dielectric
Gasket
Crimping ferrule

Material

Brass
Brass
Brass
PTFE
NeopreneCR 50C6
Copper

Plating

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

Technical Data Sheet				Rosenberger			
TNC 50 Ω		STRAIGHT PLUG		56S107-108N5			
Electrical data Impedance Frequency Return loss Insertion loss Insulation resistance Center contact resistance Outer contact resistance Test voltage Working voltage Power handling (at 20 °C, sea level, VSWR 1.0) 50 Ω DC to 10 GHz ≥ 30 dB, DC to 2.5 GHz ≥ 20 dB, 2.5 to 4 GHz ≥ 18 dB, 4 to 6 GHz ≤ 0.05 dB, DC to 6 GHz ≥ 5 x10³ MΩ ≤ 1.5 mΩ ≤ 1 mΩ 1500 V rms 500 V rms ≤ 80 W @ 2 GHz - Limitations are possible due to the used cable type -							
Mechanical data Mating cycles Center contact captivation: axial Coupling test torque Recommended torque ≥ 500 ≥ 15 N ≤ 1.7 Nm 0.46 Nm to 0.69 Nm							
Environmental data Temperature range Thermal shock Corrosion Vibration Shock Moisture resistance RoHS -65 °C to +165 °C MIL-STD-202, Method 107, Condition B MIL-STD-202, Method 101, Condition B MIL-STD-202, Method 204, Condition B MIL-STD-202, Method 213, Condition G MIL-STD-202, Method 106 compliant							
Tooling Crimping tool Crimp insert 11W150-000 11W150-208							
Suitable cables RG 142 B/U, RG 223 /U, RG 400 /U							
Packing Standard Weight 1 pce in bag 12.7 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		Rev.		Engineering change number	
Inge Mühlauer		10.08.04		e00		07-0154	
Approved		Date		Name		Date	
A. Gasteiger		19.09.13		J. Krautenbacher		20.09.13	
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