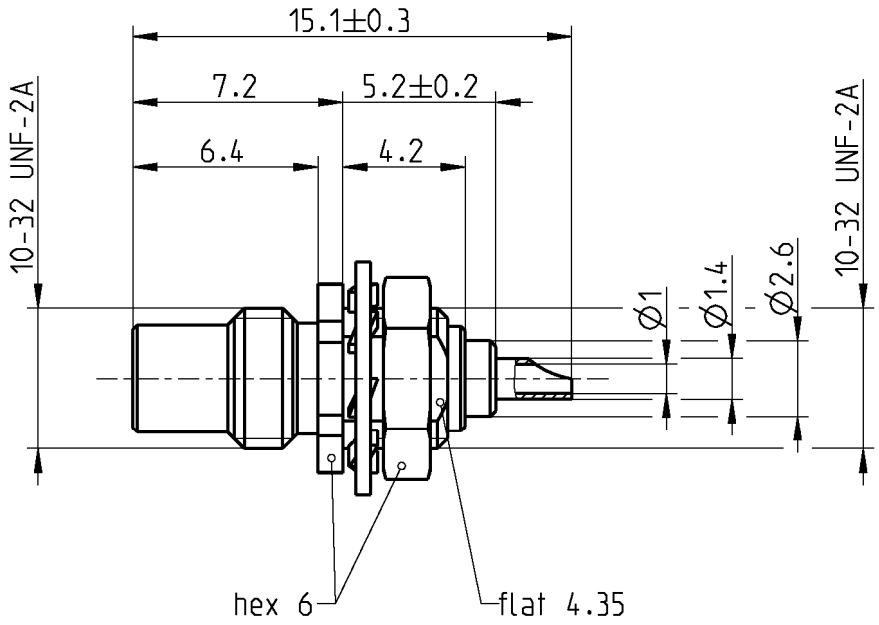
TECHNICAL DATA SHEET	Rosenberger
SMC BULKHEAD PLUG	**39S601-200L5**





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

Interface

According to	IEC 60169-9, CECC 22140, US MIL-C-39012

Documents

Panel piercing	B 22

Material and plating

Connector parts	**Material**	**Plating**
Center contact	Brass	Auro Dur, gold plated
Outer contact	Brass	Auro Dur, gold plated
Dielectric	PTFE	
Coupling nut	Brass	Gold, 0.1 µm min.

RF_35/12.04/3.0

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TECHNICAL DATA SHEET	Rosenberger
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Electrical data

Impedance	50 Ω
Frequency	DC to 6 GHz
Return loss	≥ 25 dB, DC to 1 GHz
	≥ 20 dB, 1 to 3 GHz
	≥ 18 dB, 3 to 6 GHz
Insertion loss	$\leq 0.1 \times \sqrt{f(GHz)}$ dB
Insulation resistance	$\geq 1 \times 10^3$ MΩ
Center contact resistance	≤ 5 mΩ
Outer contact resistance	≤ 2.5 mΩ
Test voltage	750 V rms, 50 Hz, at sea level
Working voltage	≤ 250 V rms, 50 Hz, at sea level
RF-leakage	≥ 90 dB up to 1 GHz

Mechanical data

Mating cycles	min. 500
Coupling test torque	max. 0.71 Nm
Recommended torque	0.25 Nm to 0.35 Nm
Center contact captivation: axial	≥ 10 N

Environmental data

Temperature range	-55°C to +155°C
Thermal shock	MIL-STD-202, Meth. 107, Cond. B
Vibration	MIL-STD-202, Meth. 204, Cond. D
Moisture resistance	MIL-STD-202, Meth. 106
Corrosion	MIL-STD-202, Meth. 101, Cond B
RoHS	compliant

Tooling

N/A

Suitable cables

N/A

Weight

Weight	1.1 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	21/12/04	Sa. Krautenbacher	17.03.14

Rev.	Engineering change number	Name	Date
f00	14-0352	T. Krojer	17.03.14

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