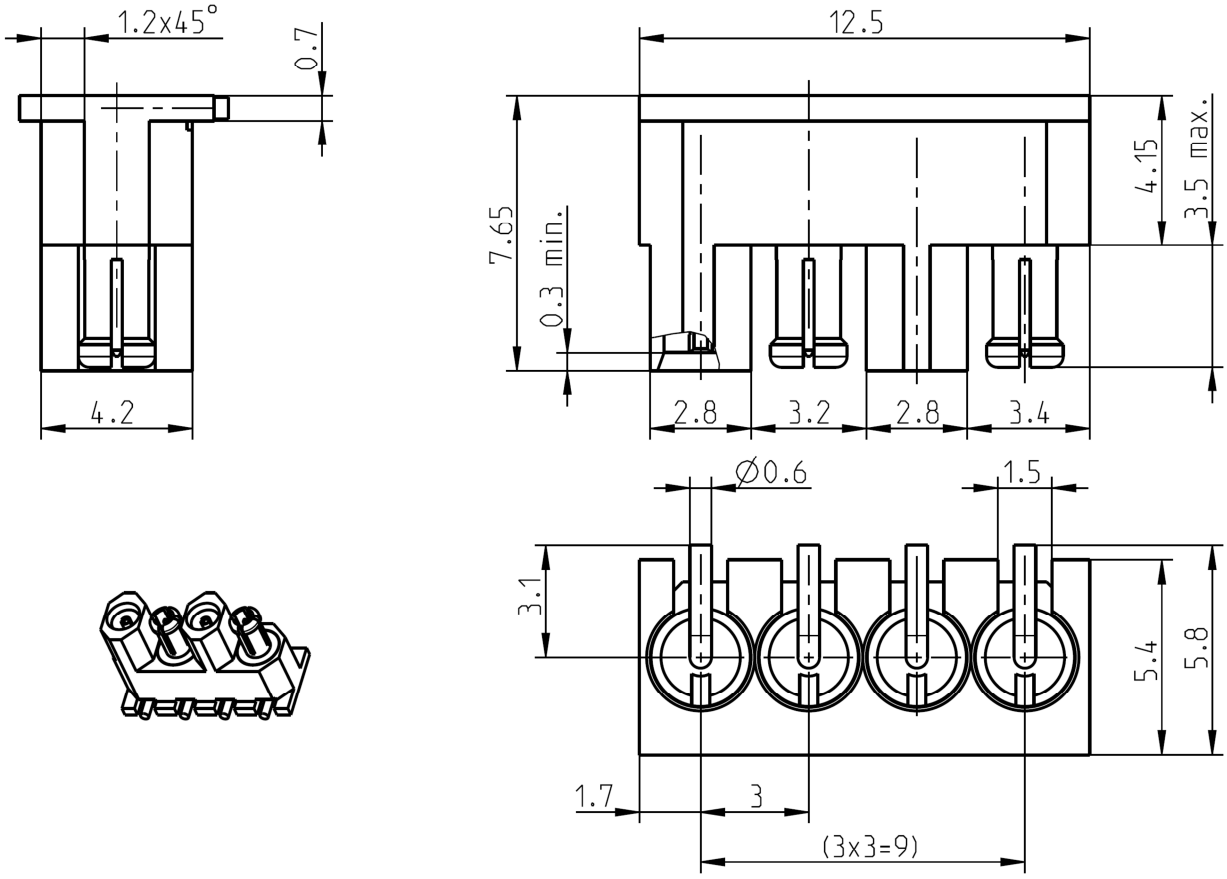
Technical Data Sheet		Rosenberger
Mini-Coax	4 Channel Block Straight	**23C11E-40ML5**



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

Interface

According to	Rosenberger Mini-Coax

Documents

PCB-Layout	**B 501**

- for customized stack-up please contact Rosenberger optimized PCB-layout -

Material and plating

Connector parts	**Material**	**Plating**
Center contact	CuBe or equiv.	AuroDur®, gold plated
Outer contact male	CuBe	AuroDur®, gold plated
Outer contact female	Brass	AuroDur®, gold plated
Body	Brass	AuroDur®, gold plated
Dielectric	PTFE	

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Electrical data

Impedance	50 Ω
Frequency	DC to 20 GHz
Return loss for feedthrough	≥ 20 dB @ DC to 3 GHz ≥ 16 dB @ 3 GHz to 8 GHz
Return loss for SMD	≥ 25 dB @ DC to 3 GHz ≥ 20 dB @ 3 GHz to 6 GHz ≥ 16 dB @ 6 GHz to 20 GHz
Insertion loss	$\leq 0.05 \times \sqrt{f\,[GHz]}$ dB
Insulation resistance	≥ 1GΩ
Center contact resistance	≤ 10 mΩ
Outer contact resistance	≤ 3 mΩ
Test voltage (at sea level)	750 V rms
Working voltage (at sea level)	500 V rms
RF-leakage	≥ 80 dB @ DC to 1 GHz ≥ 60 dB @ 1 GHz to 4 GHz

- Connector only, VSWR in application depends decisive on PCB layout –

Mechanical data

Mating cycles	≥ 500
Engagement force	max. 16 N typical 10 N
Extraction force	max. 24 N typical 21 N

Environmental data

Temperature range	-40 °C to +125 °C
Climatic category	IEC 60068-2-1 40/85/21
Dry heat	IEC 60068-2-2
Damp heat	IEC 60068-2-78
Shock	IEC 60068-2-27 (50g halfsinus, 2 shocks/axis during 11 sec.)
Max. soldering temperature	IEC 61760-1, +260 °C for 10 sec.
RoHS	compliant

Tooling

N/A

Suitable cables

N/A

Weight

Weight	2.1 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.

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Herbert Babinger	28.07.08	Martin Moder	09.03.15

Rev.	Engineering change number	Name	Date
a00	15-s119	B.Zimmerle	09.03.15

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