



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



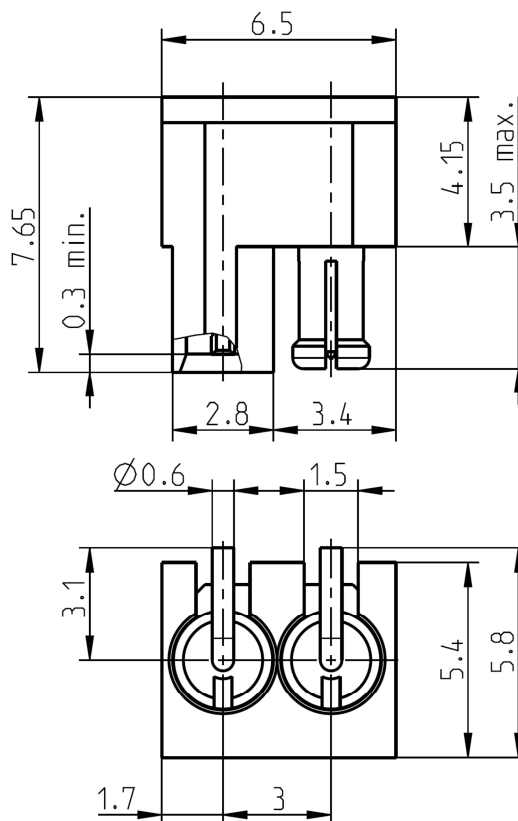
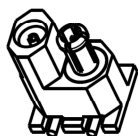
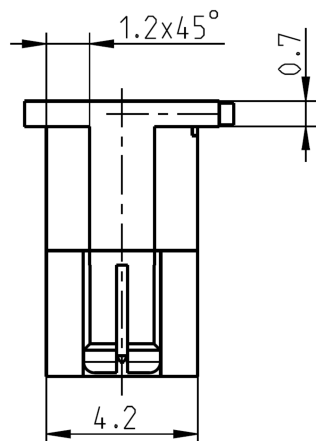
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All dimensions are in mm; tolerances according to ISO 2768 m-H

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

Center contact
Outer contact male
Outer contact female
Body
Dielectric

Material

CuBe or equiv.
CuBe
Brass
Brass
PTFE

Plating

AuroDur®, gold plated
AuroDur®, gold plated
AuroDur®, gold plated
AuroDur®, gold plated

Technical Data Sheet

Rosenberger

Mini-Coax

2 Channel Block
Straight

23C11F-40ML5

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	≤ 0.05 x $\sqrt{f \text{ [GHz]}}$ dB
Insulation resistance	≥ 1 GΩ
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. 8 N typical 5 N
Extraction force	max. 12 N typical 10.5 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	1.1 g/pce
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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
Herbert Babinger	28.07.08	Martin Moder	09.03.15	a00	15-s120	B.Zimmerle	09.03.15
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