



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

Mini-Coax 8 Channel Block
Straight

23C11D-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 √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. 32 N typical 20 N
Extraction force	max. 48 N typical 42 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 halvesinus, 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 4.18 g/pce

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Herbert Babinger	28.07.08	Martin Moder	09.03.15	a00	15-s118	B.Zimmerle	09.03.15
Rosenberger Hochfrequenztechnik GmbH & Co. KG P.O.Box 1260 D-84526 Tittmoning Germany www.rosenberger.de						Tel. : +49 8684 18-0 Email : info@rosenberger.de	
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