



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
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- AuroDur®, gold plated

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RF_35/09.14/6.2

Mini-Coax 6 Channel Block
Straight

23C11G-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. 24 N typical 15 N
 Extraction force max. 36 N typical 31.5 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 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 3.11 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	Rev.	Engineering change number	Name	Date
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