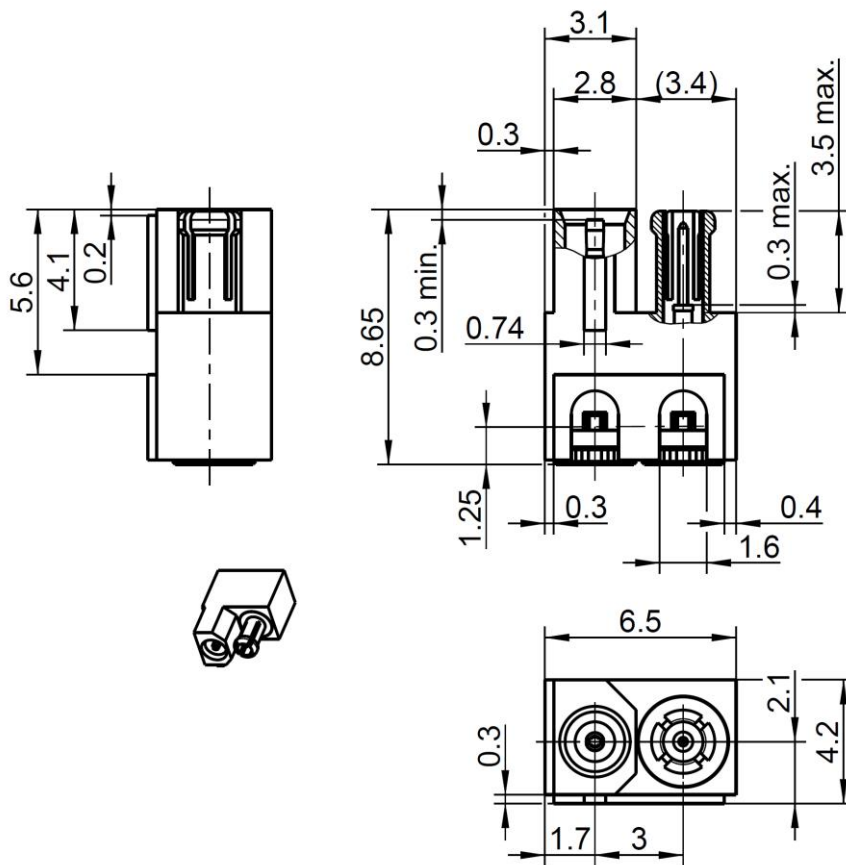




All dimensions are in mm; tolerances according to ISO 2768 m-H

Interface

According to

Rosenberger Mini-Coax

Documents

PCB - Layout

B 501B

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			
Insert Mini-Coax		2 Channel Block Right Angle		23C25F-40ML5			
Electrical data Impedance Frequency Return loss Insertion loss Insulation resistance Center contact resistance Outer contact resistance Test voltage (at sea level) Working voltage (at sea level) RF-leakage 50 Ω DC to 40 GHz ≥ 25 dB @ DC to 3 GHz ≥ 20 dB @ 3 GHz to 6 GHz ≥ 16 dB @ 6 GHz to 20 GHz ≥ 12 dB @ 20 GHz to 40 GHz ≤ 0.04 x √f [GHz] dB ≥ 1GΩ ≤ 10 mΩ ≤ 3 mΩ 750 V rms 500 V rms ≥ 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 Engagement force Extraction force ≥ 500 max. 15 N typical 10 N max. 15 N typical 10 N							
Environmental data Temperature range Climatic category Dry heat Damp heat Shock Max. soldering temperature RoHS -40 °C to +125 °C IEC 60068-2-1 40/85/21 IEC 60068-2-2 IEC 60068-2-78 IEC 60068-2-27 (50g halfsinus, 2 shocks/axis during 11 sec.) IEC 61760-1, +260 °C for 10 sec. compliant							
Tooling N/A							
Weight 2 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		Rev.		Engineering change number	
Martin Moder		22.11.16		200		17-2028	
Approved		Date		Name		Date	
Herbert Babinger		15.03.18		Andreas Plötz		12.03.18	
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			Page 2 / 2