

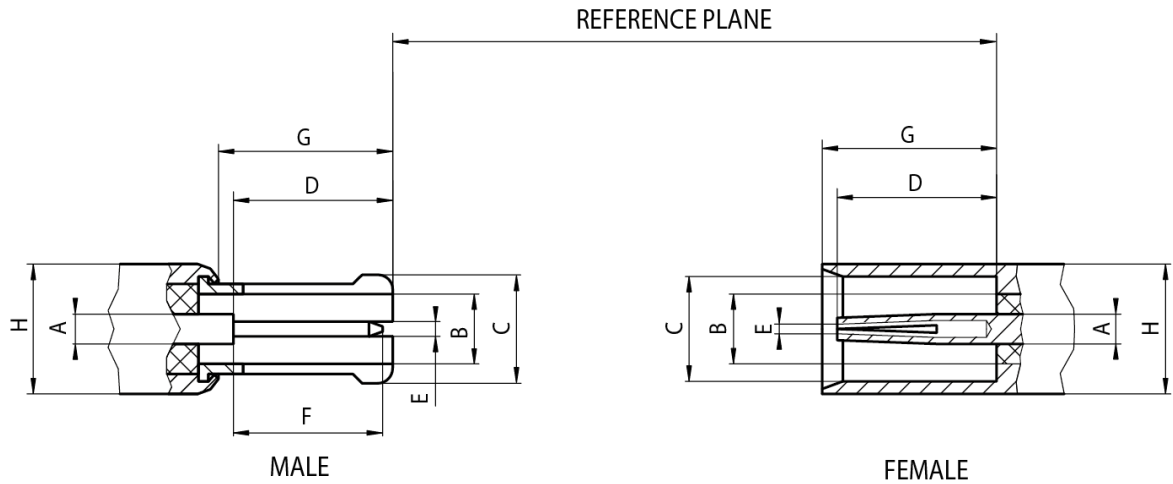
Technical Data

Rosenberger

23

Insert Mini-Coax

23-000-000_TD



	Male		Female	
	min.	max.	min.	max.
A	Ø 0.60 nom.		Ø 0.60 nom.	
B	Ø 1.40 nom.		Ø 1.40 nom.	
C	1)		Ø 2.10	Ø 2.125
D	3.20	–	–	3.20
E	0.30	0.33	1)	
F	3.00 nom.		–	–
G	–	3.50	3.50	–
H	Ø 2.60 nom.		Ø 2.60 nom.	

Dimensions in mm

1) Resilient, dimension to meet electrical and mechanical requirements

Interface

According to

Rosenberger Mini-Coax

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RFB00035

Draft	Date	Approved	Date	Rev.	Engineering Change Number	Name	Date
Chr. Janßen	06.03.2019	Chr. Janßen	06.03.2019	a00	19-s083	J_Krautenbac	12.03.2019
Rosenberger Hochfrequenztechnik GmbH & Co. KG P.O. Box 1260 D-84526 Tittmoning Germany www.rosenberger.com					Tel. : +49 8684 18-0 Email : info@rosenberger.com		Page 1 / 2

Technical Data**Rosenberger**

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Impedance	50 Ω
Frequency range	DC to 6 GHz
Return loss (cable connector straight)	≥ 28 dB @ DC to 1 GHz ≥ 24 dB @ 1 GHz to 3 GHz ≥ 16 dB @ 3 GHz to 6 GHz
Insertion loss	≤ 0.1 x √f [GHz] dB
Insulation resistance	≥ 1 GΩ
Center contact resistance	≤ 10 mΩ
Outer contact resistance	≤ 3 mΩ
Test voltage	750 V rms
Working voltage	500 V rms
RF-leakage - Interface	≥ 80 dB @ DC to 1 GHz ≥ 60 dB @ 1 GHz to 4 GHz

Mechanical data

Mating cycles	≥ 500
Engagement force	1 N to 4 N
Disengagement force	1 N to 4 N

Environmental data

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

Materials

Connector parts	Material	Plating
Spring loaded contact parts	CuBe	Au
Center contact	CuBe	Au
Outer contact	CuZn	Au
Crimping ferrule	Cu	Au
Dielectric	PTFE	

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