

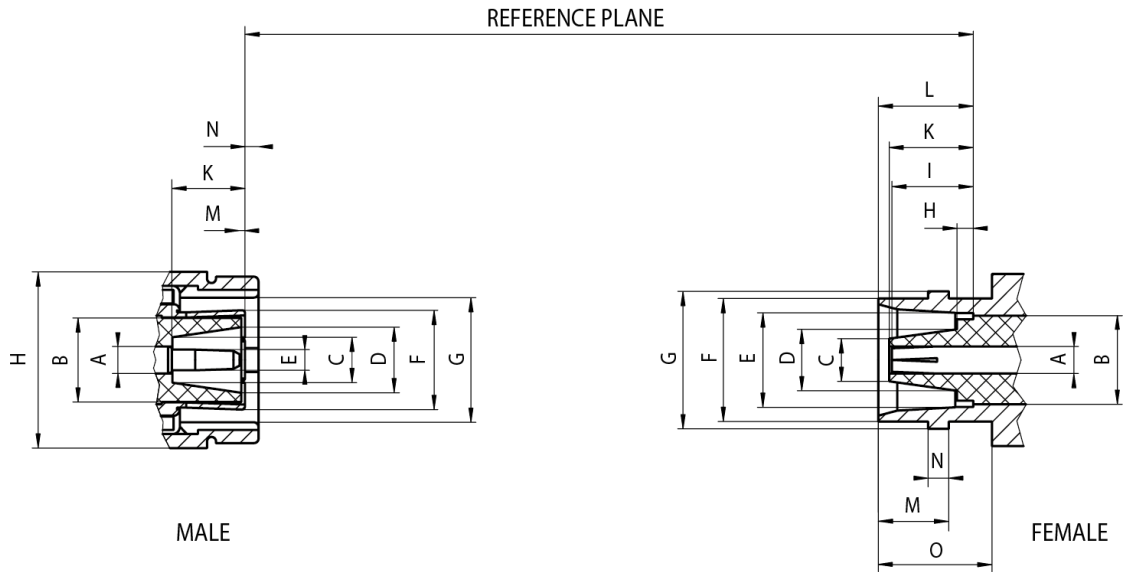
Technical Data

Rosenberger

52

C (50 Ω)

52-000-000_TD



	Male		Female	
	min.	max.	min.	max.
A	Ø 3.02	Ø 3.15	Ø 3.02	Ø 3.15
B	-	Ø 9.50	-	Ø 9.50
C	Ø 4.92	-	-	Ø 4.83
D	Ø 7.01	-	-	Ø 6.91
E	Ø 2.29	Ø 2.34	Ø 10.44	Ø 10.54
F	1)		Ø 13.46	Ø 13.72
G	Ø 13.79	Ø 13.94	14.99	15.24
H	-	Ø 19.84	-	0.18
I	-	-	6.93	7.70
K	7.85	-	-	7.85
L	-	-	8.43	8.59
M	0.09	1.02	7.80	7.95
N	-	2.16	2.24	2.49
O	-	-	12.57	-

Dimensions in mm

1) Resilient, dimension to meet electrical and mechanical requirements

Interface

According to

IEC 60169-7, MIL-PRF-39012, DIN 47222

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RFB00035

Draft	Date	Approved	Date	Rev.	Engineering Change Number	Name	Date
Chr. Janßen	11.03.2019	Chr. Janßen	11.03.2019	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	
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Electrical data

Impedance	50 Ω
Frequency range	DC to 11 GHz (max.) DC to 4 GHz (opt.)
Return loss (cable connector straight)	≥ 19 dB (typ.)
Insertion loss	≤ 0.1 x √ f [GHz] dB
Insulation resistance	≥ 1 GΩ
Center contact resistance	≤ 1 mΩ
Outer contact resistance	≤ 0.25 mΩ
Test voltage	3000 V rms
Working voltage	1000 V rms
Power handling	400 W @ 1 GHz

Mechanical data

Mating cycles	≥ 500
Center contact captivation	axial: ≥ 20 N

Environmental data

Temperature range	-65 °C to +165 °C
Thermal shock	MIL-STD-202, Method 107, Condition B
Corrosion resistance	MIL-STD-202, Method 101, Condition B
Moisture resistance	MIL-STD-202, Method 106
Vibration	MIL-STD-202, Method 204, Condition B
Shock	MIL-STD-202, Method 213, Condition G
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	CuZn	Au
Outer contact	CuZn	Ni
Crimping ferrule	Cu	Ni
Dielectric	PTFE	
Gasket	Rubber	

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