

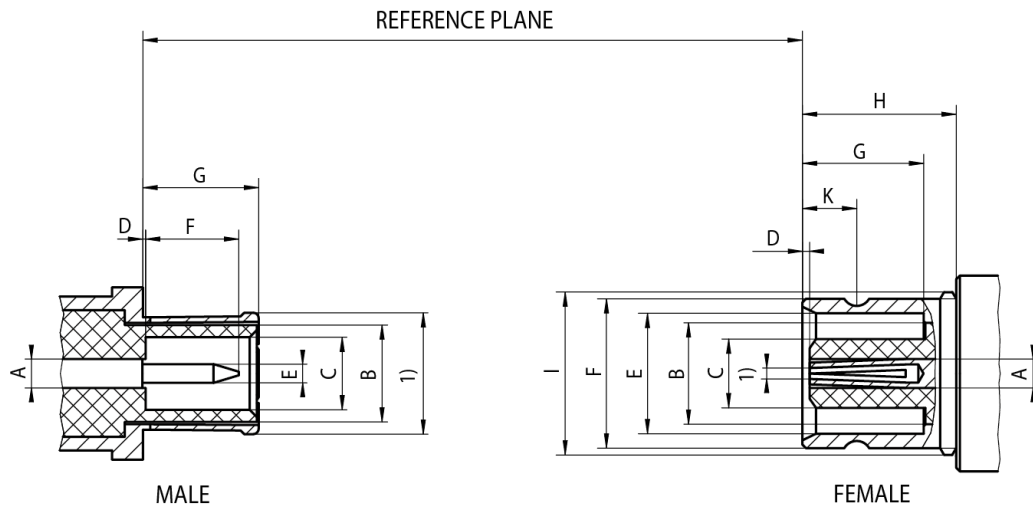
Technical Data

Rosenberger

78 / 88

1.6-5.6 (75 Ω)

78_88-000-000_TD



	Male		Female	
	min.	max.	min.	max.
A	Ø 1.60 nom.		Ø 1.60 nom.	
B	Ø 5.60 nom.		Ø 5.60 nom.	
C	Ø 4.00	–	–	Ø 3.80
D	–	0.15	0.25	–
E	Ø 0.97	Ø 1.03	Ø 6.60	Ø 6.69
F	–	5.50	Ø 8.10	Ø 8.25
G	6.40	6.60	6.70	–
H	–	–	9.70	–
I	–	–	M 9 x 0.5	
K	–	–	2.90	3.10

Dimensions in mm

Interface

According to

CECC 22240

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RFB00035

Draft	Date	Approved	Date	Rev.	Engineering Change Number	Name	Date
Chr. Janßen	05.02.2019	Chr. Janßen	05.02.2019	a00	19-s083	J_Krautenbac	12.03.2019
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Electrical data

Impedance	75 Ω
Frequency range	DC to 4 GHz (II. generation) DC to 12 GHz (III. generation)
Return loss (cable connector straight)	≥ 33 dB @ DC to 1 GHz (III. generation) ≥ 27 dB @ 1 GHz to 2 GHz (III. generation) ≥ 20 dB @ 2 GHz to 4 GHz (III. generation)
Insertion loss	≤ 0.1 x √f [GHz] dB
Insulation resistance	≥ 10 GΩ
Center contact resistance	≤ 4 mΩ
Outer contact resistance	≤ 2 mΩ
Test voltage	1000 V rms
Working voltage	330 V rms
RF leakage - Interface	≥ 100 dB @ DC to 1 GHz (Type A)

Mechanical data

Mating cycles	≥ 500
Center contact captivation	axial: ≥ 30 N
Engagement force	2.2 N to 12 N (Type A) 18 N to 50 N (Type F)
Disengagement force	2.2 N to 12 N (Type A) 18 N to 50 N (Type F)

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
Vibration	IEC 60068-2-6 (10 Hz to 2000 Hz, 100 m/s ²)
Max. soldering temperature (PCB connectors)	IEC 61760-1, +260 °C for 10 sec.

Materials

Connector parts

Connector parts	Material	Plating
Spring loaded contact parts	CuBe / CuSn	Au
Center contact	CuZn	Au
Outer contact	CuZn	Au
Body	CuZn	Ni
Crimping ferrule	Cu	white bronze
Dielectric	PTFE (II. generation) LCP or equivalent (III. generation)	

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