

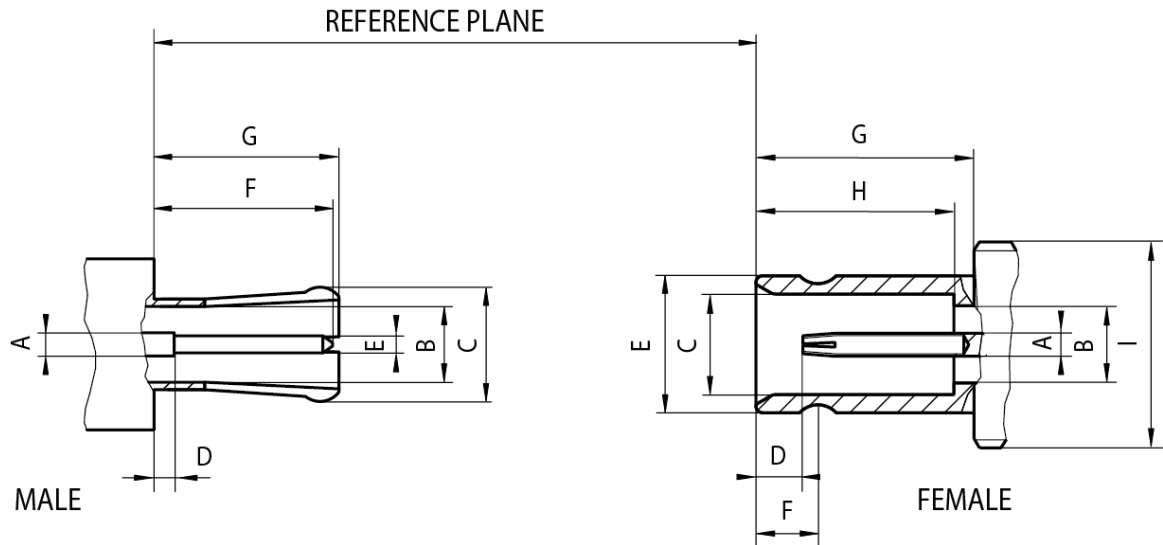
Technical Data

Rosenberger

734

1.0-2.3 DIN 47297 (75 Ω)

734-000-000_TD



	Male		Female	
	min.	max.	min.	max.
A	Ø 0.70 nom.		Ø 0.70 nom. ^{1) 2)}	
B	-	Ø 2.30 nom. ¹⁾	-	Ø 2.30 nom.
C	²⁾		Ø 3.00	Ø 3.06
D	-	1.15	1.15	1.75
E	Ø 0.475	Ø 0.52	Ø 4.03	Ø 4.15
F	-	5.50	1.80	1.90
G	5.40	5.70	6.40	6.50
H	-	-	5.80	5.90
I	-	-	M 5.5 x 0.5	

Dimensions in mm

¹⁾ Contact diameter refers to 50 Ω

²⁾ Resilient, dimension to meet electrical and mechanical requirement

Interface

Similar to

CECC 22230, DIN 47297

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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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Technical Data**Rosenberger**

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734-000-000_TD**Electrical data**

Impedance	75 Ω
Frequency range	DC to 2 GHz (max.)
Return loss (cable connector straight)	≥ 20 dB (typ.)
Insertion loss	≤ 0.1 x √f [GHz] dB
Insulation resistance	≥ 2 GΩ
Center contact resistance	≤ 4 mΩ
Outer contact resistance	≤ 2.5 mΩ
Test voltage	750 V rms
Working voltage	250 V rms
RF leakage – Interface	≥ 90 dB @ DC to 1 GHz

Mechanical data

Mating cycles	≥ 500
Center contact captivation	axial: ≥ 10 N
Engagement force	≤ 10 N
Disengagement force	≤ 10 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
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**

Spring loaded contact parts
Center contact
Outer contact
Body
Crimping ferrule
Dielectric

Material

CuBe
CuZn
CuZn
CuZn
Cu
PTFE

Plating

Au
Au
Au
Ag / Ni
white bronze

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