

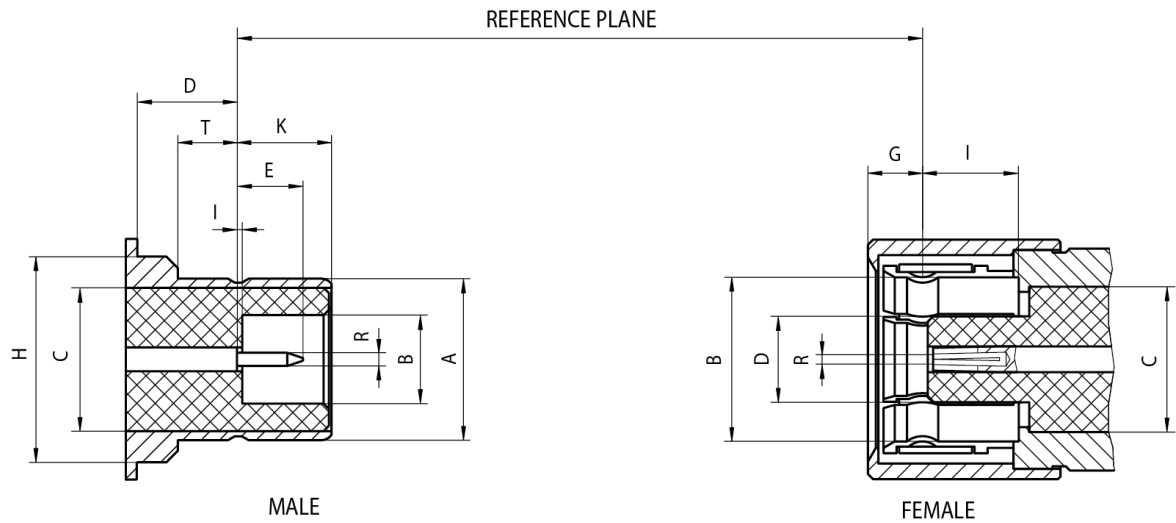
Technical Data

Rosenberger

759

SMB (75 Ω) acc. BT 43

759-000-000_TD



	Male		Female	
	min.	max.	min.	max.
A	Ø 6.20	Ø 6.25	-	-
B	Ø 3.35	-	Ø 6.25	-
C	Ø 5.60 nom.		Ø 5.60 nom.	
D	2.36	-	-	Ø 3.33
E	-	2.97	-	-
G	-	-	-	2.36
H	-	Ø 7.94	-	-
I	-	0.18	3.58	-
K	3.33	3.58	-	-
R	Ø 0.48	Ø 0.53	1)	
T	2.01	-	-	-

Dimensions in mm

1) Resilient, dimension to meet electrical and mechanical requirements

Interface

Similar to

BT 43 (BS 9210 F0022)

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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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759-000-000_TD**Electrical data**

Impedance	75 Ω
Frequency range	DC to 4 GHz
Return loss (cable connector straight)	≥ 20 dB (typ.)
Insertion loss	≤ 0.1 x √f [GHz] dB
Insulation resistance	≥ 2 GΩ
Center contact resistance	≤ 5 mΩ
Outer contact resistance	≤ 2.5 mΩ
Test voltage	750 V rms
Working voltage	250 V rms
Contact Current	≤ 1.0 A DC
RF leakage - Interface	≥ 70 dB @ DC to 1 GHz

Mechanical data

Mating cycles	≥ 500
Center contact captivation	axial: ≥ 10 N
Engagement force	8 N to 63 N
Disengagement force	8 N to 63 N

Environmental data

Temperature range	-40 °C to +100 °C
Dry heat	IEC 60068-2-2
Damp heat	IEC 60068-2-78
Climatic category	IEC 60068-2-1 40/100/21
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	Au
Crimping ferrule	Cu	Ni
Dielectric	PTFE	

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