

DIN 41626/T2 GENERAL DATASHEET

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Applicable Standards

Interface according to

Standards: DIN 41626/T2

Electrical characteristics

Characteristic impedance		50	Ω	
Frequency range		DC to 10	GHz	
Return loss (typical)	DC - 6 GHz	≥ 20	dB	straight, semi-rigid cable
RF-Leakage	DC - 1,5 GHz	≥ -65	dB	Interface
Insertion loss		$\leq 0.1 \times \sqrt{f}$ [GHz]	dB	
Insulation resistance		≥ 1	G Ω	
Center contact resistance		≤ 10	m Ω	
Outer contact resistance		≤ 3	m Ω	
Working current			A DC	Data on request
Test voltage		750	V rms	
Working voltage		250	V max.	
Intermodulation 3rd order	(2x43dBm)	---	dBc	
Power handling	@ 1.0 GHz		W	Data on request
	@ 2.0 GHz		W	Data on request

Mechanical characteristics

Durability (matings)		≥ 500		
Center contact captivation, axial		≥ 10	N	
Connector captivation in plastic		≥ 52	N	
Engagement force		≥ 10	N	
Disengagement force		≥ 10	N	

Materials

Outer contact	CuBe / CuZn
Center contact	CuBe / CuZn
Crimp ferrule	Cu / CuZn
Other metal parts	CuZn
Dielectric	PTFE
Clip	CuBe / plastic

Standard plating

Outer contact	Au / white bronze
Centre contact	Au
Crimp ferrule	Au / white bronze
Other metal parts	Ni

Environmental influences

Temperature range	-55°C up to +125°C
Test categories	DIN 40045 / IEC 55/125/56
Relative humidity	MIL-STD-202. Method 106
Thermal shock	MIL-STD-202. Method 107. Cond. B
Shock	MIL-STD-202. Method 213. Cond. J
Vibration	MIL-STD-202. Method 204. Cond. B

RoHS

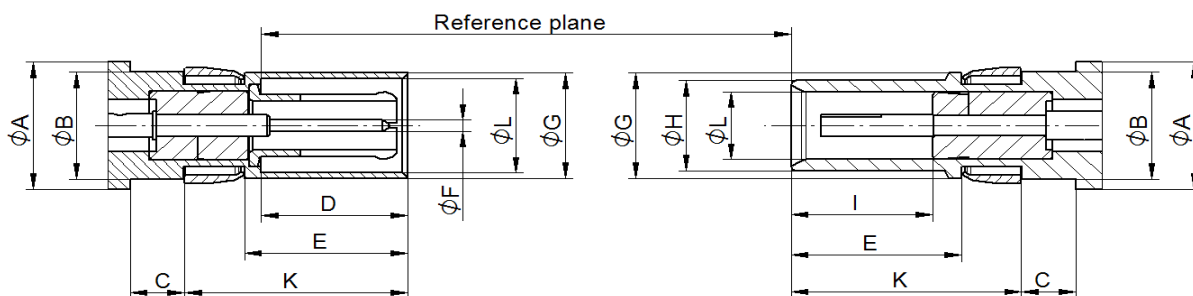
compliant

Date: 02.12.2019 U. Mayer

Revision:

Approved: 18.12.2019 P. Schuh

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50 Ohm	Male		Female	
	min.	max.	min.	max.
A		6		6
B	4,76	4,79	4,76	4,79
C	2,22	2,4	2,22	2,4
D	5,4	5,7		
E	6,8	6,85	6,4	6,5
F	0,48	0,52		
G	4,66	4,72	4,72	4,75
H			4,03	4,15
I			5,8	5,9
K	9,25	9,35	9,5	9,6
L	4,2	4,28	3	3,06

Dimension in mm

75 Ohm	Male		Female	
	min.	max.	min.	max.
A		6		6
B	4,76	4,79	4,76	4,79
C	2,22	2,4	2,22	2,4
D	5,4	5,7		
E	6,8	6,85	6,4	6,5
F	0,375	0,42		
G	4,76	4,79	4,72	4,75
H			4,25	4,3
I			5,8	5,9
K	9,25	9,35	9,5	9,6
L	4,41	4,44	3,3	3,36

Some connectors may have a specification that differs from the above mentioned data.

While the information has been carefully compiled to the best of our knowledge, nothing is intended as representation or warranty on our part and no statement herein shall be construed as recommendation to infringe existing patents. In the effort to improve our products, we reserve the right to make changes judged to be necessary.

Date	Alteration	Signature		
02.12.2019				

Date: 02.12.2019 U. Mayer Revision:
 Approved: 18.12.2019 P. Schuh