



All dimensions are in mm; tolerances according to ISO 2768 c-H

**Available variants**

Type	Length "A" (mm)	Insertion loss ≤ (dB) at 18 GHz	Weight (g) / pce
LU7-070-2000	2000	3.60	720
LU7-070-1000	1000	1.95	470
LU7-070-800	800	1.60	420
LU7-070-700	700	1.45	395
LU7-070-600	600	1.30	370

**Documents**

Technical data sheet connector	RPC-7	07P123-2U7S3
Technical data sheet cable	RTK 162	

**Assembly parts**

Connector left	RPC-7	07P123-2U7S3
Connector right	RPC-7	07P123-2U7S3
Cable	RTK 162	
Armour	Metal tubing with fixed bending rate and protection braid	

**Electrical data**

Impedance	50 Ω
Frequency	DC to 18 GHz
Return loss	≥ 28 dB, DC to 4 GHz ≥ 20 dB, 4 GHz to 18 GHz
Insertion loss	see table available variants
Phase deviation:	
After 90° bending	≤ 0.5°, DC to 4 GHz ≤ 2.0°, 4 GHz to 18 GHz
Straight after 3x90° bending	≤ 0.5°, DC to 4 GHz ≤ 1.5°, 4 GHz to 18 GHz
Amplitude stability	≤ 0.03 dB, DC to 4 GHz ≤ 0.05 dB, 4 GHz to 18 GHz
Return loss stability	≥ 48 dB, DC to 4 GHz ≥ 40 dB, 4 GHz to 18 GHz
RF-leakage	≥ 100 dB up to 1 GHz

**Mechanical data**

Minimum bend radius	60 mm
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**Environmental data**

Temperature range	-40°C to +85°C
2002/95/EC (RoHS)	compliant

**Packing**

Standard	1 pce in box
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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.

Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
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