



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
LU7-056-17000	17000	28.20	4440
LU7-056-2000	2000	3.60	700
LU7-056-1500	1500	2.63	575
LU7-056-1000	1000	1.90	450
LU7-056-600	600	1.30	355

**Documents**

Technical data sheet connector left	RPC-3.50 ruggedized jack	03KR123-2U7S3
Technical data sheet connector right	RPC-N 50 Ω jack	05K123-2U7S3
Technical data sheet cable	RTK 162	

**Assembly parts**

Connector left	RPC-3.50 ruggedized jack	03KR123-2U7S3
Connector right	RPC-N 50 Ω jack	05K123-2U7S3
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	≥ 90 dB up to 1 GHz

**Mechanical data**

Minimum bend radius	60 mm
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**Environmental data**

Temperature range 2002/95/EC (RoHS)	-40°C to +85°C compliant
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**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
Herbert Babinger	03/08/06	Frank Tatzel	28/02/11	f00	11-0169	Krautenbacher J.	28/02/11
Rosenberger Hochfrequenztechnik GmbH & Co. KG P.O.Box 1260 D-84526 Tittmoning Germany <a href="http://www.rosenberger.de">www.rosenberger.de</a>				Tel.: +49 8684 18-0 Fax: +49 8684 18-499 email: <a href="mailto:info@rosenberger.de">info@rosenberger.de</a>			Page 2 / 2

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