



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

**Available variants**

Type	Length "A" (mm)	Insertion loss ≤ (dB) at 70 GHz	Weight (g) / pce
LU5-106-600	600	4.60	295
LU5-106-800	800	6.00	334
LU5-106-1000	1000	7.20	373

**Documents**

Technical data sheet connector left	RPC-1.85 ruggedized jack	08KR123-2U5S3
Technical data sheet connector right	RPC-1.85 jack	08K123-2U5S3
Technical data sheet cable	RTK 092-70	

**Assembly parts**

Connector left	RPC-1.85 ruggedized jack	08KR123-2U5S3
Connector right	RPC-1.85 jack	08K123-2U5S3
Cable	RTK 092-70	
Armour	Metal tubing with fixed bending rate and protection braid	

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RF\_35/05:10/6.0

**Electrical data**

Impedance	50 Ω
Frequency	DC to 70 GHz
Return loss	≥ 26 dB, DC to 4 GHz ≥ 22 dB, 4 GHz to 20 GHz ≥ 15 dB, 20 GHz to 50 GHz ≥ 14 dB, 50 GHz to 70 GHz
Insertion loss	see table available variants
Phase deviation: After 90° bending	≤ 1.0°; DC to 4 GHz ≤ 3.0°; 4 GHz to 20 GHz ≤ 7.0°; 20 GHz to 70 GHz
Straight after 3x90° bending	≤ 1.0°; DC to 4 GHz ≤ 2.0°; 4 GHz to 20 GHz ≤ 4.0°; 20 GHz to 70 GHz
Amplitude stability	≤ 0.03 dB, DC to 4 GHz ≤ 0.10 dB, 4 GHz to 20 GHz ≤ 0.20 dB, 20 GHz to 50 GHz ≤ 0.30 dB, 50 GHz to 70 GHz
Return loss stability	≥ 45 dB, DC to 20 GHz ≥ 35 dB, 20 GHz to 50 GHz ≥ 30 dB, 50 GHz to 70 GHz
RF-leakage	≥ 100 dB up to 1 GHz

**Mechanical data**

Minimum bend radius	60 mm
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**Environmental data**

Operating temperature range	+20°C to +26°C
Storage 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
Martin Moder	28/06/12	Roland Neuhauser	21/08/12	b00	12-s363	Maik Knoll	21/08/12

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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