



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
LU5-107-600	600	4.60	290
LU5-107-800	800	6.00	330
LU5-107-1000	1000	7.20	369

Documents

Technical data sheet connector left	RPC-1.85 ruggedized jack	08KR123-2U5S3
Technical data sheet connector right	RPC-1.85 plug	08S123-2U5S3
Technical data sheet cable	RTK 092-70	

Assembly parts

Connector left	RPC-1.85 ruggedized jack	08KR123-2U5S3
Connector right	RPC-1.85 plug	08S123-2U5S3
Cable	RTK 092-70	
Armour	Metal tubing with fixed bending rate and protection braid	

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RF_35/05.10/6.0

Technical Data Sheet				Rosenberger			
CABLE ASSEMBLY RPC-1.85 JACK / RPC-1.85 PLUG				LU5-107-XXX			
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						
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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