



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

Available variants

Type	Length "A" (mm)	Insertion loss ≤ (dB) at 26.5 GHz	Weight (g) / pce
LU7-039-450	450	1.20	267
LU7-039-600	600	1.50	305
LU7-039-800	800	1.90	355
LU7-039-1000	1000	2.30	406
LU7-039-1400	1400	3.10	507
LU7-039-1500	1500	3.35	532
LU7-039-2000	2000	4.30	658
LU7-039-3000	3000	6.35	910
LU7-039-6000	6000	12.50	1667

Documents

Technical data sheet connector left	RPC-3.50 plug	03S123-2U7S3
Technical data sheet connector right	RPC-3.50 ruggedized jack	03KR123-2U7S3
Technical data sheet cable	RTK 162	

Assembly parts

Connector left	RPC-3.50 plug	03S123-2U7S3
Connector right	RPC-3.50 ruggedized jack	03KR123-2U7S3
Cable	RTK 162	
Armour	Metal tubing with fixed bending rate and protection braid	

Electrical data

Impedance	50 Ω
Frequency	DC to 26.5 GHz
Return loss	≥ 26 dB, DC to 4 GHz ≥ 20 dB, 4 GHz to 26.5 GHz
Insertion loss	see table available variants
Phase deviation: After 90° bending	$\leq 1.0^\circ$, DC to 4 GHz $\leq 3.0^\circ$, 4 GHz to 26.5 GHz
Straight after 3x90° bending	$\leq 0.5^\circ$, DC to 4 GHz $\leq 1.5^\circ$, 4 GHz to 26.5 GHz
Amplitude stability	≤ 0.03 dB, DC to 4 GHz ≤ 0.05 dB, 4 GHz to 26.5 GHz
Return loss stability	≥ 48 dB, DC to 4 GHz ≥ 40 dB, 4 GHz to 26.5 GHz
RF-leakage	≥ 100 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
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