



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

Available variants

Type	Length "a" (mm)	Insertion loss ≤ (dB) at 40 GHz	Weight (g) / pce
LU1-022-5000	5000	14.50	1283
LU1-022-2000	2000	6.1	632
LU1-022-1500	1500	4.60	524
LU1-022-800	800	2.60	372
LU1-022-600	600	2.00	329
LU1-022-500	500	1.70	307

Documents

Technical data sheet connector left
Technical data sheet connector right
Technical data sheet cable

RPC-2.92 ruggedized jack
RPC-SL 40 GHz jack
RTK 106

02KR123-2U1S3
P4K123-2U1S3

Assembly parts

Connector left
Connector right
Cable
Armour

RPC-2.92 ruggedized jack
RPC-SL 40 GHz jack
RTK 106
Metal tubing with fixed bending rate and protection braid

TECHNICAL DATA SHEET

Rosenberger

CABLE ASSEMBLY
RPC-2.92 JACK / RPC-SL 40 GHZ JACK

LU1-022-XXX

Electrical data

Impedance	50 Ω
Frequency	DC to 40 GHz
Return loss	≥ 26 dB, DC to 4 GHz ≥ 17 dB, 4 GHz to 40 GHz
Insertion loss	see table available variants
Phase deviation:	
After 90° bending	$\leq 1.3^\circ$, DC to 4 GHz $\leq 6.0^\circ$, 4 GHz to 40 GHz
Straight after 3x90° bending	$\leq 1.0^\circ$, DC to 4 GHz $\leq 4.0^\circ$, 4 GHz to 40 GHz
Amplitude stability	≤ 0.03 dB, DC to 4 GHz ≤ 0.08 dB, 4 GHz to 40 GHz
Return loss stability	≥ 45 dB, DC to 4 GHz ≥ 35 dB, 4 GHz to 40 GHz
RF-leakage	≥ 100 dB up to 1 GHz

Mechanical data

Minimum bend radius	60 mm
---------------------	-------

Environmental data

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

Packing

Standard	1 pce in box
----------	--------------

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	24/02/06	Frank Tatzel	27/04/10	f00	11-0169	J_Krautenbacher	28/02/11
Rosenberger Hochfrequenztechnik GmbH & Co. KG P.O.Box 1260 D-84526 Tittmoning Germany www.rosenberger.de				Tel.: +49 8684 18-0 Fax: +49 8684 18-499 email: info@rosenberger.de			Page 2 / 2