



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

**Available variants**

Type	max. Insertion loss at 18 GHz	Marking	Weight (g) / pce
LA2-001-XXX	$\leq 0.00066 \text{ dB/mm} * A \text{ mm} + 0.5 \text{ dB}$	ROSENBERGER YYY-YY LA2-001-XXX FAC-RRRRRRR ssss	$0.146 \text{ g/mm} * A \text{ mm} + 100 \text{ g}$

XXX – length in mm = A

Standard lengths are 1000, 3000, 5000 and 10000 mm

WW – week

YYYY – year

ssss – serial no.

FAC – Factory Code

RRRRRRR – lot nr.

Note:

max. Insertion Loss:

First constant = Cable attenuation in dB /mm; Second Constant = Connector left and Connector right +needed Adaptor

Weight:

First constant = Cable- and Armour- weight per mm; Second Constant = Connector left and Connector right weight per pce

**Assembly parts**

Connector left	RPC-N plug	05S121-2A2S3
Connector right	RPC-N plug	05S121-2A2S3
Cable	RTK 081	

**Electrical data**

Impedance	50 Ω
Frequency	DC to 18 GHz
Return loss <sup>1</sup>	≥ 17 dB, DC to 18 GHz
Insertion loss <sup>1</sup>	see table available variants

Individual testing and documentation:

Measurement plot with all 4 S-Parameters (S11; S22; S21; S12) is included with the cable assembly and on the backside the care and handling instruction is printed. Measurement adaptors used are mentioned in the commentary field.

<sup>1</sup> Return Loss and Insertion Loss includes the measurement adaptor

# Technical Data Sheet

# Rosenberger

Cable assembly  
RPC-N Plug / RPC-N Plug – RTK 081 Cable

## LA2-001-XXX

### Mechanical data

Minimum bend radius:  
Single 31.75 mm  
Multiple 76.2 mm

### Environmental data

Temperature range -40°C to +85°C  
RoHS compliant

Dieses Dokument ist urheberrechtlich geschützt • This document is protected by copyright • Rosenberger Hochfrequenztechnik GmbH & Co. KG

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
Scherbauer M.	15.01.15	Florian Reiner	26.01.17	c00	16-1783	A. Youmsi Mouafo	26.01.17

  

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 Email : <a href="mailto:info@rosenberger.de">info@rosenberger.de</a>	Page 2 / 2
--	--	---------------

RF\_35/09;14/6.2