



All dimensions are in mm; tolerances: ± 3mm for A ≤ 300 mm; ± 1% for A > 300 mm
*) movably

Available variants

Type	max. Insertion loss at 20 GHz	Marking	Weight (g) / pce
L99-A0481-XXX-Y	≤ 0.005 dB/mm * A mm + 0.6 dB	ROSENBERGER YYYYY-WW L99-A0481-XXX-Y FAC-RRRRRRR	0.011 g/mm * A mm + 11.5 g

XXX – length in mm = A

Y – pair matching (non, 2ps)

WW – week

YYYY – year

zzzz – individual serial no.

FAC – Factory Code

RRRRRRR – lot no.

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	Mini Coax plug	23S104-270L5
Connector left	Mini Coax jack	23K104-270L5
Connector right	SMA plug	32S102-270L5
Cable	RTK 047	

Assembly parts

Assembly instruction	23 MV-A008
----------------------	------------

Cable Set

Mini Coax Plug / Jack – SMA Plug – RTK 047

L99-A0481-XXX-Y

Electrical data

Impedance	50 Ω
Frequency	DC to 20 GHz
Return loss ¹	≥ 16 dB, DC to 20 GHz
Insertion loss ¹	see table available variants
Phasematched by pairs	depending on Part Number
	non – non matched
	2ps – max. 2 ps delay difference

Individual testing

The S-Parameters (S11, S22, S21, S12) will be tested and the cable pairs are measured fore phase matching.:

¹ Return Loss and Insertion Loss includes the measurement adaptor

Mechanical data

Minimum bend radius:	
Single	5.1. mm
Multiple	10.2 mm

Housing

2 Channel	23Z121-008
4 Channel	23Z121-007
6 Channel	23Z121-004
8 Channel	23Z121-005

Tooling

Extraction tool	23W100-000
-----------------	------------

Environmental data

Temperature range	-40°C to +115°C
RoHS	compliant

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.

For the installation of the electrotechnical equipment, particular electrotechnical expertise is required.



Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
F. Reiner	17.09.19	H. Babinger	19.01.22	a00	22-s036	J. Rohloff	19.01.22

Rosenberger Hochfrequenztechnik GmbH & Co. KG P.O.Box 1260 D-84526 Tittmoning Germany www.rosenberger.com	Tel. : +49 8684 18-0 Email : info@rosenberger.com	Page 2 / 2
--	--	---------------