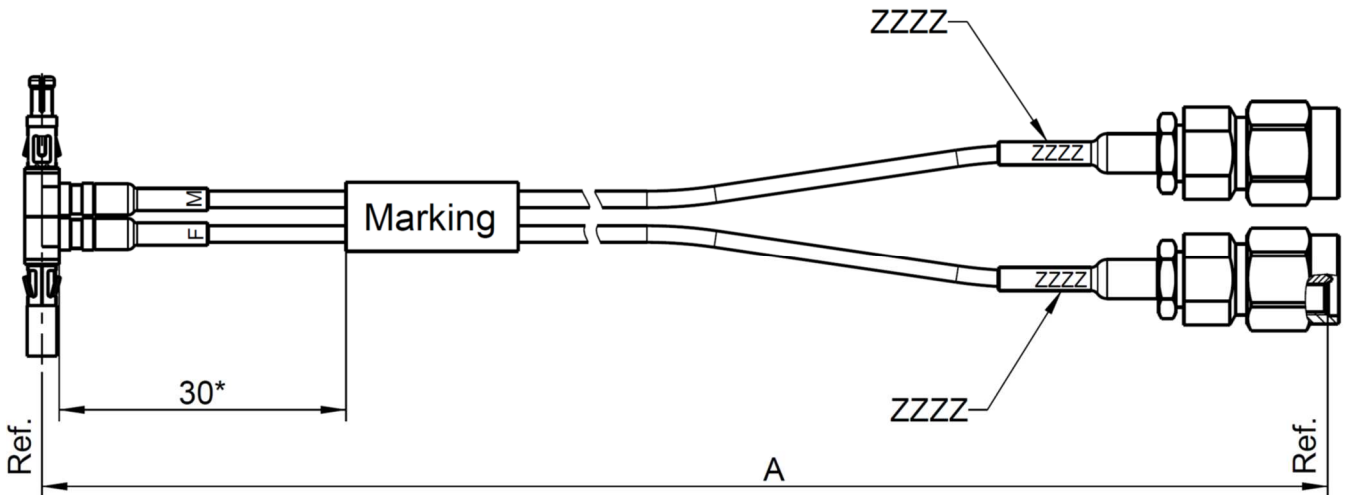


# Technical Data Sheet

# Rosenberger

cable set  
Mini Coax Plug/Jack – SMA plug - RTK 047

## L99-A0490-XXX-Y



All dimensions are in mm; tolerances:  $\pm 3\text{mm}$  for  $A \leq 300\text{ mm}$ ;  $\pm 1\%$  for  $A > 300\text{ mm}$   
\*) movably

### Available variants

Type	max. Insertion loss at 12 GHz	Marking	Weight (g) / pce
L99-A0490-XXX-Y	$\leq 0.0039\text{ dB/mm} * A\text{ mm} + 1.0\text{ dB}$	ROSENBERGER YYYYY-WW L99-A0490-XXX-Y FAC-RRRRRRR	$0.011\text{ g/mm} * A\text{ mm} + 12.8\text{ g}$

XXX – length in mm = A

Y – pair matching (non, 2ps)

WW – week

YYYY – year

zzzz – individual 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	Mini Coax plug, right angle	23S201-270L3
Connector left	Mini Coax jack, right angle	23K201-270L3
Connector right	SMA plug	32S102-270L5
Cable	RTK 047	

### Documents

Assembly instruction	23 MV-A008
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# Technical Data Sheet

# Rosenberger

**cable set**  
Mini Coax Plug/Jack – SMA plug - RTK 047

## L99-A0490-XXX-Y

### Electrical data

Impedance	50 $\Omega$
Frequency	DC to 12 GHz
Return loss <sup>1</sup>	$\geq 14$ dB, DC to 12 GHz
Insertion loss <sup>1</sup>	see table available variants
Phase matched by pairs	depending on Part Number non - non matched 2ps - max. 2ps delay difference

Individual testing:

The S-Parameters (S11; S22; S21; S12) will be tested and the cable pairs are measured for phase matching

<sup>1</sup> 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
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### 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.

Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
F. Reiner	19.09.19	H. Babinger	17.12.19	200	19-2396	A. Youmsi	17.12.19

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