

# Technical Data Sheet

# Rosenberger

Cable assembly  
SMA / WSMP – RTK-Flex047

## 70W-32S2-W1K2-XXXXX



All dimensions are in mm; tolerances:  
 $\leq 100$ :  $XXX \pm 2.0$ ;  $> 100$  to  $\leq 1500$ :  $XXX \pm 5.0$ ;  $> 1500$  to  $\leq 3000$ :  $XXX \pm 10.0$ ;  $> 3000$ :  $\pm 1.5\%$

### Available variants

Type	Max Insertion Loss	Marking	Weight (g) / pce
70W-32S2-W1K2-XXXXX	$\leq 0.0059$ dB/mm * A mm + 0.68 dB	ROSENBERGER YYWW 70W-32S2-W1K2-XXXXX	$0.0052$ g/mm * A mm + 2.72 g

XXXXX – length in mm = A  
 WW – week

YY – year

Note: max Insertion Loss:  
 First Constant = Cable attenuation in dB/mm; Second Constant = Connector left and Connector right

Weight:  
 First Constant = Cable weight per mm; Second Constant = Connector left and Connector right per pce

### Assembly parts

Connector left	SMA Jack	32S201-270L5
Connector right	WSMP Jack	W1K203-270D3
Cable	RTK-Flex047	

### Electrical data

Impedance	50 $\Omega$
Frequency	DC to 18 GHz
Return Loss <sup>1</sup>	$\geq 18.5$ dB, DC to 12 GHz $\geq 9$ dB, 12 GHz to 18 GHz
Insertion Loss <sup>1</sup>	see table available variants

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

### Mechanical data

Minimum bend radius:	
Single	5 mm
Multiple	10 mm

### Environmental data

Temperature range	-40°C to +125°C
RoHS	compliant

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