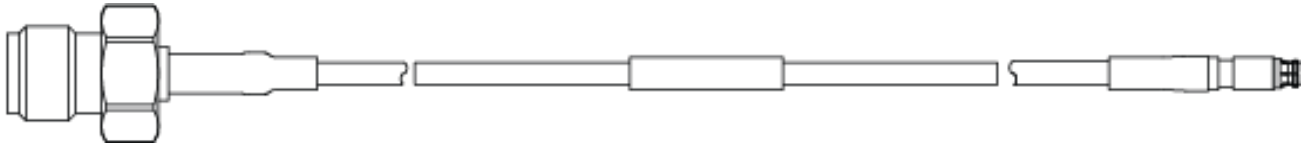


Technical Data Sheet

Rosenberger

Cable assembly
RPC-2.92 / WSMP – RTK-Flex047

70W-02K1-W1K1-XXXXX



All dimensions are in mm; tolerances:
≤ 100: XXX ± 2.0; > 100 to ≤ 1500: XXX ± 5.0; > 1500 to ≤ 3000: XXX ± 10.0; > 3000: ± 1.5%

Available variants

Type	Max Insertion Loss	Marking	Weight (g) / pce
70W-02K1-W1K1-XXXXX	≤0.0093 dB/mm * A mm + 0.77 dB	ROSENBERGER YYWW 70W-02K1-W1K1-XXXXX	0.0052 g/mm * A mm + 2.67 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	RPC-2.92 Jack	02K14E-270L5
Connector right	WSMP Jack	W1K101-270D3
Cable	RTK-Flex047	

Electrical data

Impedance	50 Ω
Frequency	DC to 40 GHz
Return Loss ¹	≥ 17.5 dB, DC to 20 GHz ≥ 16 dB, 20 GHz to 26.5 GHz ≥ 13 dB, 26.5 GHz to 40 GHz
Insertion Loss ¹	see table available variants

¹ 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 +85°C
RoHS	compliant

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Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
Lizzy Beller	01/08/20	Mark Bennett	01/17/20	100	Preliminary	Mark Bennett	01/17/20
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