

Technical Data Sheet

Rosenberger

Cable assembly
Mini SMP / WSMP – RTK-Flex047

70W-18K1-W1K2-XXXXX



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

Available variants

Type	Max Insertion Loss	Marking	Weight (g) / pce
70W-18K1-W1K2-XXXXX	≤ 0.013 dB/mm * A mm + 1.29 dB	ROSENBERGER YYWW 70W-18K1-W1K2-XXXXX	0.0052 g/mm * A mm + 0.32 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	Mini SMP Jack	18K101-270L5
Connector right	WSMP Jack	W1K203-270D3
Cable	RTK-Flex047	

Electrical data

Impedance	50 Ω
Frequency	DC to 65 GHz
Return Loss ¹	≥ 20.5 dB, DC to 18 GHz ≥ 14.5 dB, 18 to 26.5 GHz ≥ 10 dB, 26.5 to 40 GHz ≥ 7.5 dB, 40 to 65 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 +125°C
RoHS	compliant

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Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
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