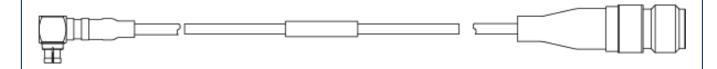
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Technical Data Sheet

Rosenberger

Cable assembly
Mini SMP / SMA – RTK-Flex047

70W-18K2-32K1-XXXXX



All dimensions are in mm; tolerances:

 \leq 100: XXX ± 2.0; > 100 to \leq 1500: XXX ± 5.0; > 1500 to \leq 3000: XXX ± 10.0; > 3000: ± 1.5%

Available variants

,	Туре	Max Insertion Loss	Marking	Weight (g) / pce	
	70W-18K2-32K1-XXXXX	≤0.0057 dB/mm * A mm +0.34 dB	ROSENBERGER YYWW 70W-18K2-32K1-XXXXX	0.0052 g/mm * A mm +2.55 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 18K201-270E4
Connector right SMA Jack 32K10D-270L5
Cable RTK-Flex047

Electrical data

Impedance 50 Ω

Frequency DC to 18 GHz

Return Loss¹ ≥ 20 dB, DC to 6 GHz

≥ 17 dB, 6 GHz to 12 GHz ≥ 14 dB, 12 GHz to 18 GHz

Insertion Loss¹ see table available variants

Mechanical data

Minimum bend radius:

Single 5 mm Multiple 10 mm

Environmental data

Temperature range -55°C to +155°C 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
Lizzy Beller	01/07/20	Mark Bennett	01/20/20	100	Preliminary	Mark Bennett	01/20/20
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¹ Return Loss and Insertion Loss includes the measurement adaptor

Mouser Electronics

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Rosenberger:

70W-18K2-32K1-00610 70W-18K2-32K1-00305 70W-18K2-32K1-00152