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Technical Data Sheet

Rosenberger

Cable assembly
SMA / SMA – RTK-Flex402

72W-32S1-32S1-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
72W-32S1-32S1-XXXXX	$\leq 0.0023 \text{ dB/mm} * A \text{ mm} + 0.25 \text{ dB}$	Rosenberger NA wwyy 72W-32S1-32S1-XXXXX	$0.042 \text{ g/mm} * A \text{ mm} + 5.0 \text{ g}$

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 Plug	32S124-272S5
Connector right	SMA Plug	32S124-272S5
Cable	RTK-Flex402-SPC-FEP	

Electrical data

Impedance	50 Ω
Frequency	DC to 18 GHz
Return Loss ¹	$\geq 18 \text{ dB}$, DC to 18 GHz
Insertion Loss ¹	see table available variants

¹ Return Loss and Insertion Loss includes the measurement adaptor

Mechanical data

Minimum bend radius:	
Single	12.7 mm
Multiple	25.4 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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