Technical Data Sheet	Rosenberger	
Cable assembly RPC-1.00 Plug – RTK 047-F – RPC-1.00 Jack	L70-311-XXX	
Referenzebene/reference plane	Referenzebene/reference plane	у Т
	A	
All dimensions are in mm; tolerances: \pm 3mm for A \leq 300 mm; \pm 1% for A > 300 mm		
Available variants		
	dB g	
$\begin{array}{ c c c c } L70-311-XXX &\leq (0.0020 * \sqrt{f[GHz]} + 0) \\ XXX - length in mm = A & Maximum possible length \end{array}$	$0.00008 * f[GHz]) = 0.070 = 8.75g mm^{-1}$	
Note: Weight:		
	d Constant = Connector left and Connector right weight per pce	
Connector right RPC Cable RTK	-1.00 Plug -1.00 Jack 047-F one rubber jacket over glass fiber braid / stainless steel spiral	I
Electrical data		
$\begin{array}{llllllllllllllllllllllllllllllllllll$	o 110 GHz dB, DC to 50 GHz dB, 50 to 110 GHz table available variants	
Individual testing and documentation: Measurement plot with all 4 S – Parameters (S11; S22; S21; S12) is included with the cable assembly and on the backside the care and handling instruction is printed.		
¹ Return Loss and Insertion Loss includes the measurement a	daptor	
Mechanical data		
Minimum bend radius 20.0	mm	
	°C to +125 °C pliant	
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	
Markus Müller 11.02.19 Markus Hantschel 10.01.23	3 d00 22-2195 Marion Striegler 10.01.23	3
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