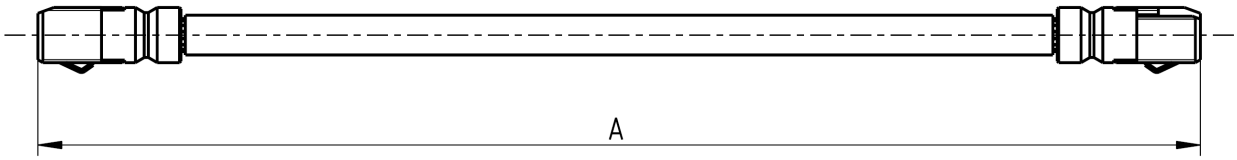
Technical Data Sheet		Rosenberger
Rosenberger Micro RF®	CABLE ASSEMBLY	**LH1-053-XXX-NM**



All dimensions are in mm; tolerances according to ISO 2768 m-H

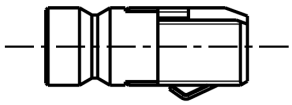
Available Variants

Type	Cable	Length a [mm]	Weight [g]	Packing [pcs in plastic bag]
LH1-053-80-NM	H1 (RTK013)	80 ± 5	0.4	25
LH1-053-100-NM	H1 (RTK013)	100 ± 5	0.5	25
LH1-053-120-NM	H1 (RTK013)	120 ± 5	0.6	25
LH1-053-140-NM	H1 (RTK013)	140 ± 5	0.7	25
LH1-053-180-NM	H1 (RTK013)	180 ± 5	0.9	25
LH1-053-200-NM	H1 (RTK013)	200 ± 5	1.0	25
LH1-053-500-NM	H1 (RTK013)	500 ± 5	tbm	10

Interface

According to 15C102-40MX-NM, Micro Clamp

Technical data connector 15Z202-1H1XX-NM



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Material and plating

Connector parts	**Material**	**Plating**
Center contact	Beryllium copper	3-6µm Ag over 0,2-1µm Cu
Outer contact	Spring bronze	AuroDur®, gold plated
Isolator	LCP	

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Electrical data

Impedance	50 Ω
Frequency	DC to 6 GHz
Return loss (over 2 assemblies)	≥ -26 dB, DC to 2 GHz
	≥ -26 dB, 2 to 4 GHz
	≥ -17 dB, 4 to 8 GHz
Insertion loss (over 2 assemblies)	≤ 1 dB, DC to 2 GHz
	≤ 2 dB, 2 to 4 GHz
	≤ 5 dB, 4 to 8 GHz
Insulation resistance	≥ 0.5 x10^3 MΩ
Center contact resistance	≤ 100 mΩ
Outer contact resistance	≤ 50 mΩ

Mechanical data

Mating cycles	≥ 50
Unmating force	≥ 6 N

Environmental data

Temperature range	-40°C to +90°C
Storage temperature	-40°C to +90°C
RoHS	compliant

Suitable cables

RTK 013 cable group H1	Micro coax cable ø=1.37mm, center conductor ø=0.3mm Connector are only sold with cable. Standard length available and customized length on request. Picture on data sheet show an assembly example Minimum bending radius repeated 8x ø, single 4x ø

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