

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

Available Variants

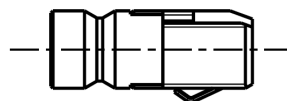
Type	Cable	Length a [mm]	Weight [g]	Packing [pcs in plastic bag]
LH1-053-80-NM	H1 (RTK013)	80 ± 5	0.4	25
LH1-053-100-NM	H1 (RTK013)	100 ± 5	0.5	25
LH1-053-120-NM	H1 (RTK013)	120 ± 5	0.6	25
LH1-053-140-NM	H1 (RTK013)	140 ± 5	0.7	25
LH1-053-180-NM	H1 (RTK013)	180 ± 5	0.9	25
LH1-053-200-NM	H1 (RTK013)	200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

Center contact
Outer contact
Isolator

Material

Beryllium copper
Spring bronze
LCP

Plating

3-6µm Ag over 0,2-1µm Cu
AuroDur®, gold plated

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RF_35/09.14/6.2

Technical Data Sheet				Rosenberger			
Rosenberger Micro RF®		CABLE ASSEMBLY		LH1-053-XXX-NM			
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					
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
F. Michelmann	09.11.05	S.Murr	08.06.2015	700	15-0719	P. Schroeder	08.06.15
Rosenberger Hochfrequenztechnik GmbH & Co. KG P.O.Box 1260 D-84526 Tittmoning Germany www.rosenberger.de				Tel. : +49 8684 18-0 Email : info@rosenberger.de			Page 2 / 2