

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

Cables

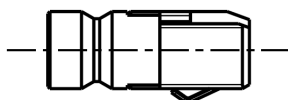
RTK 013 cable group H1

Micro coax cable $\varnothing=1.37\text{mm}$, center conductor $\varnothing=0.3\text{mm}$
 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 $8x \varnothing$, single $4x \varnothing$

Available Variants

Type	Cable	Length a [mm]	Weight [g]	Packing [pcs in plastic bag]
LH1-057-300	H1 (RTK013)	300 ± 5	5.70	25
LH1-057-500	H1 (RTK013)	500 ± 5	tbm	10

Technical data connector 15Z202-1H1



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

Interface

According to

15C102-40M, Micro Clamp

Material and plating

Connector parts

Center contact
Outer contact
Isolator

Material

Spring bronze
Brass
LCP

Plating

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

Electrical data

Impedance	50 Ω
Frequency	DC to 6 GHz
Return loss (over 2 assemblies)	≥ -26 dB, DC to 2 GHz ≥ -23 dB, 2 to 4 GHz ≥ -20 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	≤ 50 mΩ
Outer contact resistance	≤ 100 mΩ

Mechanical data

Mating cycles	≥ 50
Mating force	≤ t _{bm}
Unmating force	≥ t _{bm}

Environmental data

Temperature range	-40°C to +90°C
Storage temperature	-40°C to +90°C
2002/95/EC (RoHS)	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
F.Michelmann	30/09/09	F. Michelmann	03.08.12	400	12-v303	S.Hofmeister	03.08.12
Rosenberger Hochfrequenztechnik GmbH & Co. KG P.O.Box 1260 D-84526 Tittmoning Germany www.rosenberger.de				Tel.: +49 8684 18-0 Fax: +49 8684 18-499 email: info@rosenberger.de			Page 2 / 2