



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

Interface

According to CECC 22 240

Documents

N/A

Material and plating

Connector parts

	Material	Plating
Center contact	Brass	Gold, min. 1.27 µm, over nickel
Outer contact	Beryllium copper	Gold, min. 0.15 µm, over chemical nickel
Body	Brass	Nickel, 2.5-5 µm
Coupling nut	Brass	Nickel, 2.5-5 µm
Dielectric	PTFE	

**U-LINK
1.6/5.6 PLUG – PLUG**

78S900-S17H3

Electrical data

Impedance	75 Ω
Frequency	DC to 4 GHz
Return loss	≥ 28 dB, DC to 1 GHz ≥ 16 dB, 1 to 2 GHz
Insertion loss	≤ 0.2 dB, DC to 2 GHz
Insulation resistance	≥ 10x10 ³ MΩ
Center contact resistance	≤ 4 mΩ
Outer contact resistance	≤ 2 mΩ
Test voltage	1000 V rms
Working voltage	330 V rms
RF-leakage	≥ 90 dB up to 1 GHz (slide-on) ≥ 100 dB up to 1 GHz (screw version)

Mechanical data

Mating cycles	≥ 500
Engaging and disengaging force	2.2 N to 12 N (screw-on, slide-on) 18 N to 50 N (quick-lock)
Center contact captivation	≥ 30 N
Coupling mechanism retention force	≥ 300 N (screw version, quick-lock)

Environmental data

Temperature range	-40°C to +85°C	
Climatic class	IEC 60068-2-1 40/85/21 IEC 60068-2-2 IEC 60068-2-3	
Vibration	IEC 60068-2-6	10 Hz to 2000 Hz, 100m/s ²

Tooling

N/A

Suitable cables

N/A

Packing

Standard	1 pce in bag
Weight	24.4 g/pce

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
Inge Mühlauer	24/08/04	Chr. Entsfellner	06/03/05	a00	04-0130	Rong Fang	14/02/05
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