



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

Interface

BNC side	Compatible to	IEC 60169-8, MIL-PRF-39012, CECC 22120
1.6/5.6 side	According to	CECC 22 240

Documents

N/A

Material and plating

Connector parts	Material	Plating
Center contact	Beryllium copper	AuroDur, gold plated
Outer contact 1.6/5.6 side	Beryllium copper	AuroDur, gold plated
Outer contact BNC side	Brass	Nickel, 2.5-5 µm
Coupling nut	Brass	Nickel, 2.5-5 µm
Dielectric 1.6/5.6 side	LCP	
Dielectric BNC side	PTFE	

Electrical data

Impedance	75 Ω
Frequency	DC to 4 GHz
Return loss	≥ 30 dB, DC to 0.5 GHz ≥ 25 dB, 0.5 to 1 GHz ≥ 20 dB, 1 to 2 GHz
Insertion loss	≤ 0.1 dB, DC to 2 GHz
Insulation resistance	≥ 10x10 ³ MΩ
Center contact resistance	≤ 1.5 mΩ, BNC side; ≤ 4 mΩ, 1.6/5.6 side
Outer contact resistance	≤ 1 mΩ, BNC side; ≤ 2 mΩ, 1.6/5.6 side
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	BNC side min. 500	1.6/5.6 side min. 500
Center contact captivation: axial	≥ 30 N	≥ 30 N
Engaging and disengaging force	≤ 20 N	2.2 N to 12 N (screw-on, slide-on) 18 N to 50 N (quick-lock)
Coupling mechanism retention force	N/A	≥ 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 2002/95/EC (RoHS)	IEC 60068-2-6 compliant	10 Hz to 2000 Hz, 100m/s ²

Tooling

N/A

Suitable cables

N/A

Packing

Standard	1 pce in bag
Weight	10.0 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
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