



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

Interface

According to MIL-DTL-3643

Documents

Assembly instruction 43 A1

Material and plating

Connector parts

	Material	Plating
Center contact	Brass	Silver, 3-6 µm
Outer contact	Brass	Nickel, 2.5-5 µm
Dielectric	PTFE	
Crimping ferrule	Copper	Nickel, 2.5-5 µm

HN 50 Ω STRAIGHT PLUG

43S101-108A1**Electrical data**

Impedance	50 Ω
Frequency	DC to 4 GHz
Return loss	≥ 20 dB, DC to 2 GHz
Insertion loss	≤ 0.1 dB, DC to 2 GHz
Insulation resistance	≥ 10 ⁴ MΩ
Center contact resistance	≤ 8 mΩ
Outer contact resistance	≤ 2 mΩ
Test voltage	3500 V rms
Working voltage	2500 V rms
RF-leakage	≥ 128 dB up to 1 GHz

*- Limitations are possible due to the used cable type -***Mechanical data**

Mating cycles	min. 500
Coupling test torque	max. 1.7 Nm
Recommended torque	0.7 Nm to 1.1 Nm

Environmental data

Temperature range	-65°C to +155°C
Thermal shock	MIL-STD-202, Meth. 107, Cond. B
Corrosion	MIL-STD-202, Meth. 101, Cond. B
Vibration	MIL-STD-202, Meth. 204, Cond. B
Shock	MIL-STD-202, Meth. 213, Cond. I
Moisture resistance	MIL-STD-202, Meth. 106

Tooling

Crimping tool	11W150-000
Crimp insert	11W150-208

Suitable cables

RG 223 /U, RG 400 /U

Packing

Standard	1 pce in bag
Weight	50.2 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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