



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

Interface

Compatible to

IEC 61169-8, MIL-PRF-39012, CECC 22120

Documents

N/A

Material and plating

Connector parts

Center contact jack side
Center contact plug side
Outer contact
Body
Dielectric
Gasket

Material

Spring bronze
Brass
Brass
Brass
PTFE
NeopreneCR 50C6

Plating

AuroDur®, gold plated
Gold, min. 0.15 μm, over chemical nickel
Flash white bronze over silver(e.g. Optargen®)
Flash white bronze over silver(e.g. Optargen®)

BNC 75 Ω Adaptor
Jack – Plug - Jack

71S301-K00N5

Electrical data

Impedance 75 Ω
 Frequency DC to 4 GHz
 Insulation resistance $\geq 5 \times 10^3 \text{ M}\Omega$
 Center contact resistance $\leq 1.5 \text{ m}\Omega$
 Outer contact resistance $\leq 1 \text{ m}\Omega$
 Test voltage 1500 V rms
 Working voltage 400 V rms
 Power handling (at 20 °C, sea level, VSWR 1.0) $\leq 80 \text{ W @ 2 GHz}$

Mechanical data

Mating cycles min. 500
 Center contact captivation: axial $\geq 15 \text{ N}$

Environmental data

Temperature range -45°C to +85°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. G
 Moisture resistance MIL-STD-202, Meth. 106
 RoHS compliant

Tooling

N/A

Suitable cables

N/A

Weight

Weight 22.6 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.

For the installation of the electrotechnical equipment, particular electrotechnical expertise is required.



Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
Inge Mühlauer	03.08.04	Chr. Janßen	18.03.21	f00	20-1927	S. Huber-Siegl	18.03.21

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