



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

**Interface**

Compatible to IEC 61169-8

**Documents**

N/A

**Material and plating**

**Connector parts**

Center contact  
Outer contact  
Body  
Dielectric  
Substrate  
Gasket

**Material**

Brass  
Brass  
Brass  
PTFE  
Al<sub>2</sub>O<sub>3</sub>  
NeoprenCR 50C6

**Plating**

Gold, min. 0.8 μm, over nickel  
White bronze(e.g. Optalloy®)  
White bronze(e.g. Optalloy®)

BNC 75 Ω

Termination  
Plug 1 Watt

**71S1RR-001N4**

**Electrical data**

Impedance 75 Ω  
 Frequency DC to 2 GHz  
 Return loss ≥ 20.8 dB, DC to 1 GHz  
 ≥ 15.6 dB, 1 GHz to 2 GHz  
 Power handling (at 20 °C, sea level, VSWR 1.0) 1 W at 25°C  
 derated linearity to 0 Watts at 125°C

**Mechanical data**

Mating cycles ≥ 500  
 Center contact captivation) ≥ 27 N

**Environmental data**

Temperature range -55°C to +155°C  
 RoHS compliant

**Tooling**

N/A

**Suitable cables**

N/A

**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
K. Herzog	23.08.04	F. Reiner	11.11.20	b02	20-0003	R. Neuhauser	11.11.20

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