

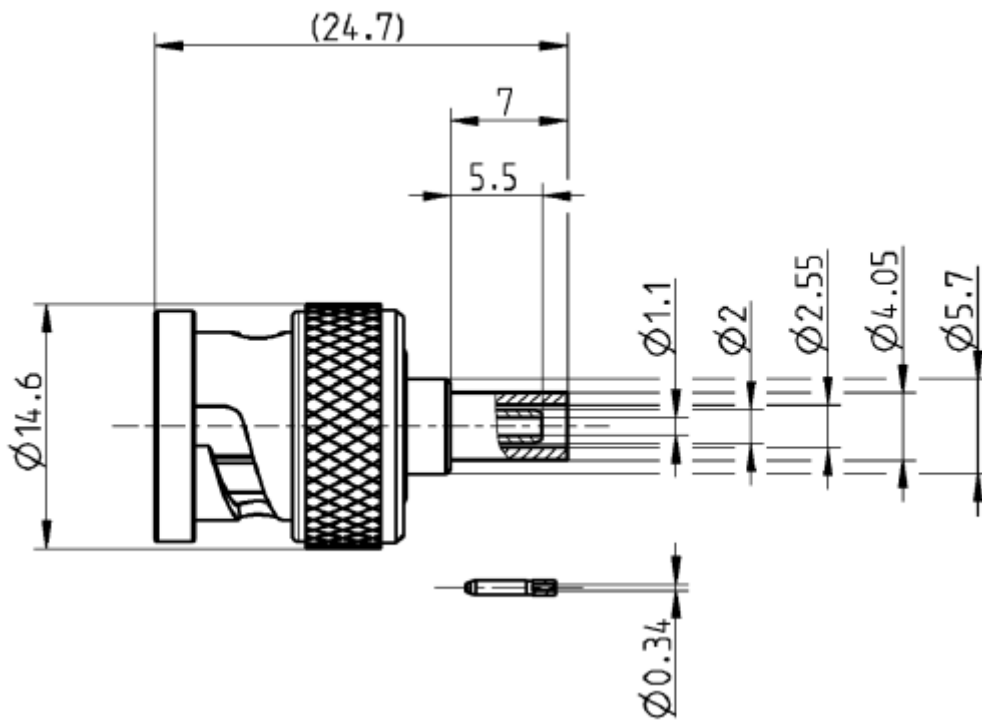
## BNC 1.5 Male Straght Connector



Rosenberger compatible Part Number:

51S107-801N5





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

## Interface

According to DIN EN 61169-8

## Material and plating

Connector parts	Material	Plating
Center contact	Spring bronze	AuroDur®, gold plated
Outer contact	Brass	tri-metal
Body	Brass	tri-metal
Dielectric	PTFE	
Gasket	NeopreneCR 50C6	
Crimping ferrule	Copper	

## Electrical data

Impedance	50 Ω
Frequency	DC to 10 GHz
Return loss	≥ 22 dB, DC to 1 GHz ≥ 17 dB, 1 to 2 GHz ≥ 14 dB, 2 to 4 GHz
Insertion loss	≤ 0.07 × √f [GHz] dB, DC to 2 GHz
Insulation resistance	≥ 5 × 10 <sup>3</sup> MΩ
Center contact resistance	≤ 1.5 mΩ
Outer contact resistance	≤ 1 mΩ
Test voltage	1500 V rms
Working voltage (at sea level)	400 V rms
Power handling (at 20 °C, sea level, VSWR 1.0)	≤ 80 W @ 2 GHz

- Limitations are possible due to the used cable type -

## Mechanical data

Mating cycles	≥ 500
Center contact captivation: axial	≥ 15 N

## Environmental data

Temperature range	-45 ° C to +85 ° C
Thermal shock	MIL-STD-202, Method 107, Condition B
Corrosion resistance	MIL-STD-202, Method 101, Condition B
Vibration	MIL-STD-202, Method 204, Condition B
Shock	MIL-STD-202, Method 213, Condition G
Moisture resistance	MIL-STD-202, Method 106
2002/95/EC (RoHS)	compliant

## Weight

Weight	10.3 g/pce
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