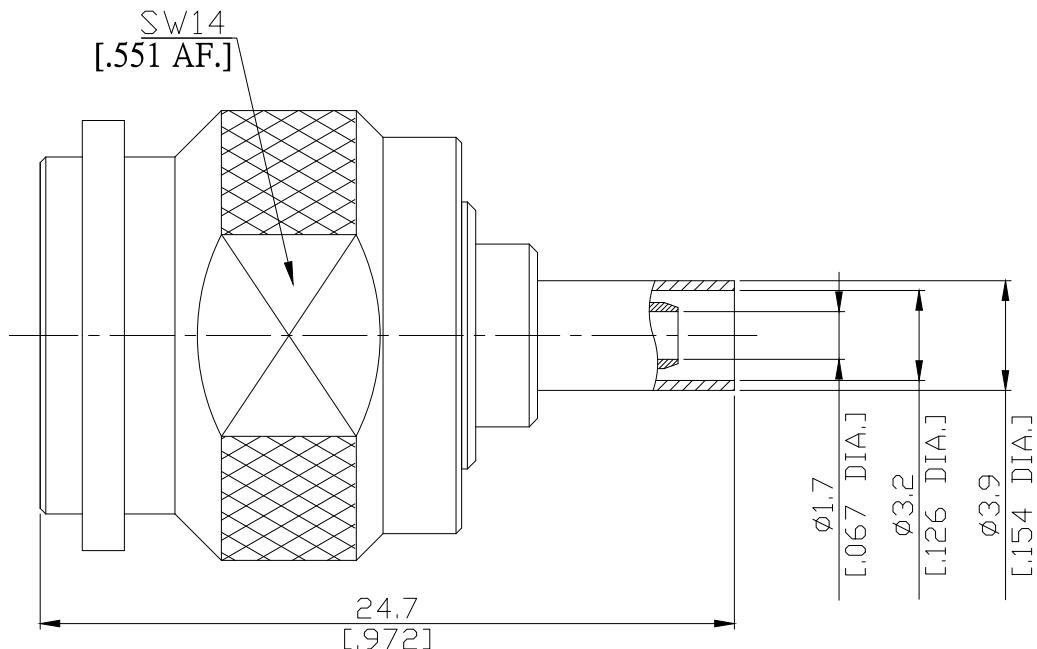


TNC Plug (Male) Connector Cable Entry: Crimp, Center Pin: Crimp or Solder Attachment for RG174, RG316, RG188, Cable, DC- 10GHz

TNC1C50-G174A / 133



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

According to

IEC 60169-17

MIL-STD-348B/313

Electrical Data

Impedance

50 Ω

Frequency

DC to 10 GHz

VSWR (Return Loss)

≤ 1.08 (≥ 28 dB) DC to 1GHz

≤ 1.12 (≥ 25 dB) 1GHz to 2 GHz

≤ 1.22 (≥ 20 dB) 2 GHz to 10 GHz

≤ 0.05 x √F (GHz) dB

Insertion Loss

≥ 5 GΩ

Insulation Resistance

≤ 1.5 mΩ

Center Contact Resistance

≤ 1.0 mΩ

Outer Contact Resistance

1500 V rms

Test Voltage

500 V rms

Working Voltage

≤ 80 W @ 2 GHz

Power handling (at 20 °C, sea level)

- Limitations are possible due to the used cable type -

Material And Plating

Piece Parts	Material	Plating
Centre contact	Brass	Gold plating, 3 µinch (Non-magnetic nickel-phosphorus underplating, 80 µinch)
Body	Brass	Nickel
Insulator	PTFE	
Gasket	Silicone Rubber	
Coupling nut	Brass	Nickel
Ferrule	Brass	Nickel

The facts and figures herein are carefully compiled to the best of our knowledge, but they are intended for general informational purposes only. In the effort to improve our products, we reserve the right to make changes judged to be necessary.

Rev.:-

Date:
12/7/2020

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Mechanical Data

Coupling Mechanisms	Screw-Lock
Mating Cycles	≥ 500
Center Contact Captivation: axial	≥ 27 N
Centre Contact	Crimped or Soldered
Cable Entry	Crimped
Coupling Test Torque	≤ 1.7 Nm
Recommended Torque	0.46 Nm to 0.69 Nm

Environmental Data

Temperature Range	-65°C to +165°C
Thermal Shock	MIL-STD-202, Method 107, Condition B
Corrosion	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
RoHS	compliant

Suitable Cables

RG174, RG316, RG188

Packing

Single or 100