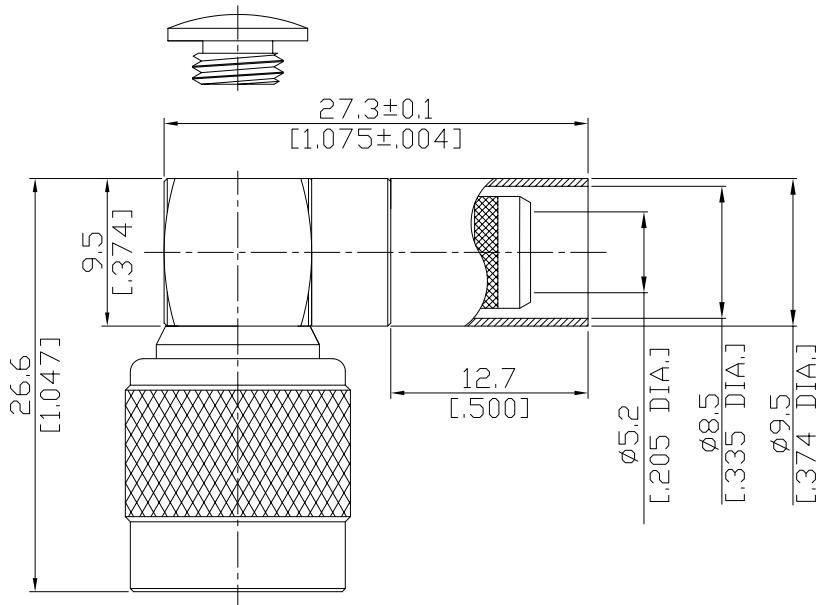


SMA Plug (Male) Straight Connector, Cable Entry: Crimp,
Contact Pin: Solder or Crimp Attachment for LMR300, Rosnol RNL300 DC-4GHz VSWR 1.20

TNC1C59-R300A / H33



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

According to

IEC 60169-17, MIL-STD-348B/310

Electrical Data

Impedance	50 Ω
Frequency	DC to 4 GHz
VSWR (Return Loss)	≤ 1.20 (≥ 20.83 dB)
Insertion Loss	≤ 0.05 x √F (GHz) dB
Insulation Resistance	≥ 5 GΩ
Center Contact Resistance	≤ 1.5 mΩ
Outer Contact Resistance	≤ 1 mΩ
Test Voltage	1500 V rms
Working Voltage	500 V rms
Power handling (at 20 °C, sea level)	≤ 80 W @ 2 GHz

- Limitations are possible due to the used cable type -

Material And Plating

Piece Parts	Material	Plating
Centre contact	Phosphor Bronze	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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SMA Plug (Male) Straight Connector, Cable Entry: Crimp,
Contact Pin: Solder or Crimp Attachment for LMR300, Rosnol RNL300 DC-4GHz VSWR 1.20

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Mechanical Data

Coupling Mechanisms	Screw-Lock
Mating Cycles	≥ 500
Center contact captivation: axial	≥ 15 N
Coupling Test Torque	≤ 1.7 Nm
Recommended Torque	0.46 - 0.69 Nm
Centre Contact	Soldered or Crimped
Cable Entry	Crimped

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

LMR300, RNL300

Weight

N/A

Packing

Single or 100