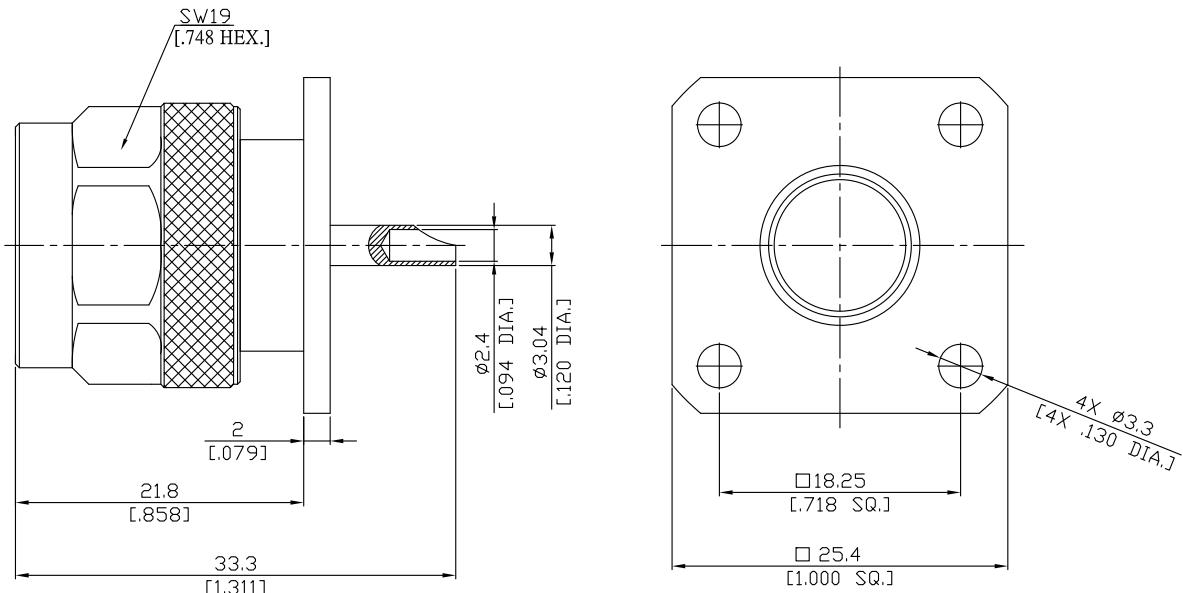


N Plug (male) Connector Solder Attachment 4 Hole Flange Mount  
Solder cup Terminal, 18.25mm (.718 inch) Hole Spacing DC-11GHz VSWR1.20

## N1GFB50-3330A / 144



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

### Interface

According to

IEC 61169-16; MIL-STD-348B/304

### Electrical Data

Impedance

50 Ω

Frequency

DC to 11 GHz

VSWR (Return Loss)

≤ 1.20 (≥ 20.83 dB)

Insertion Loss

≤ 0.1 x √F (GHz) dB

Insulation Resistance

≥ 5 GΩ

Center Contact Resistance

≤ 1 mΩ

Outer Contact Resistance

≤ 0.25 mΩ

Working Voltage (at sea level)

500 V rms

Power handling

1 GHz: 1000 W

2 GHz: 700 W

### Material And Plating

| Piece Parts    | Material | Plating  |
|----------------|----------|--|
| Centre contact | Brass    | Gold plating, 3 µinch<br>(Non-magnetic nickel-phosphorus underplating, 80 µinch) |
| Body           | Brass    | Copper-Tin-Zinc Alloy  |
| Insulator      | PTFE     |  |
| Gasket         | Gasket   |  |
| Coupling nut   | Brass    | Copper-Tin-Zinc Alloy  |

**N Plug (male) Connector Solder Attachment 4 Hole Flange Mount  
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**N1GFB50-3330A / 144**

**Mechanical Data**

|                      |                  |
|----------------------|------------------|
| Coupling mechanisms  | Screw-lock       |
| Mating Cycles        | ≥ 500            |
| Centre Contact       | Soldered         |
| Terminal Type        | Solder cup       |
| Captivated Type      | Mechanical       |
| Coupling Test Torque | 1.7 Nm max.      |
| Recommended Torque   | 0.7 Nm to 1.1 Nm |

**Environmental Data**

|                     |                                 |
|---------------------|---------------------------------|
| Temperature Range   | -55°C to +155°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.D  |
| Shock               | MIL-STD-202, Meth. 213, Cond. I |
| Moisture Resistance | MIL-STD-202, Meth. 106          |
| RoHS                | compliant                       |

**Packing**

Single or 100