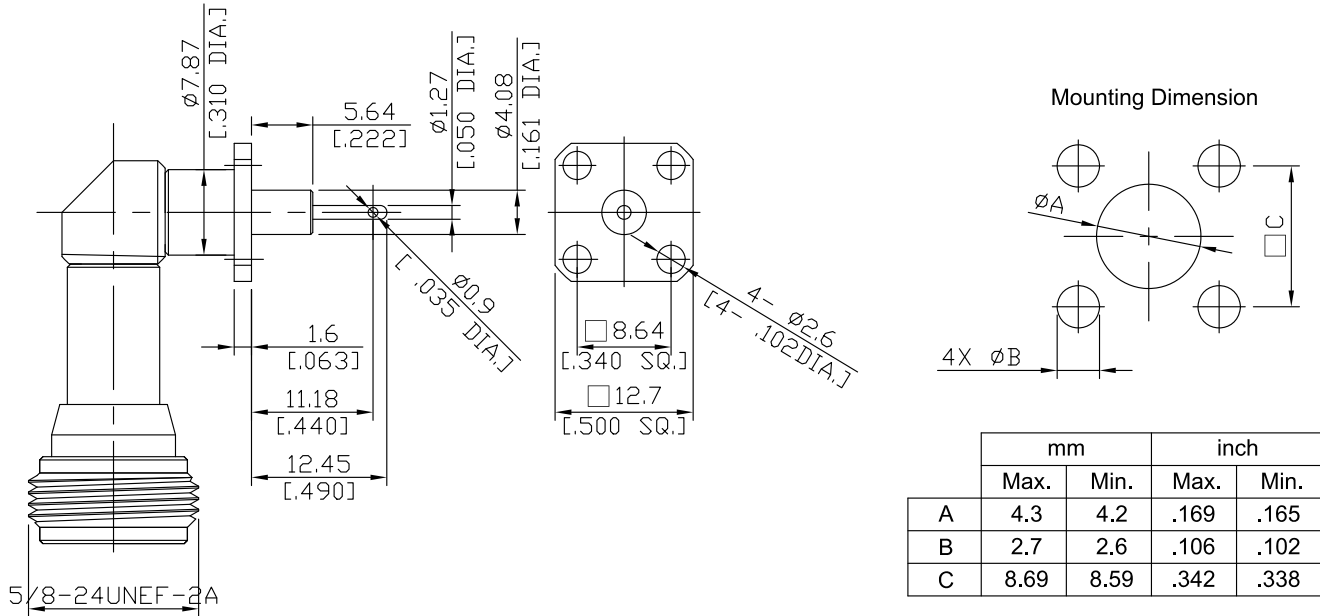


N Right-Angle Jack (Female) Connector Solder Attachment 4 Hole Flange Mount
Solder cup Terminal, 8.64mm (.340 inch) Hole Spacing DC-5GHz VSWR1.12 Low PIM

N2GFE59-3298B / 94-LP



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

According to

IEC 60169-16; MIL-STD-348B/304; CECC 22210; MIL-PRF-39012

Electrical Data

| | |
|--|--------------------------------------|
| Impedance | 50 Ω |
| Frequency | DC to 5 GHz |
| VSWR (Return Loss) | ≤ 1.12 (≥ 24.94 dB) |
| Insertion Loss | $\leq 0.05 \times \sqrt{F}$ (GHz) dB |
| Insulation Resistance | ≥ 5 G Ω |
| Center Contact Resistance | ≤ 1 m Ω |
| Outer Contact Resistance | ≤ 0.25 m Ω |
| Working Voltage (at sea level) | 500 V rms |
| Power handling (at 20 °C, sea level, VSWR 1.0) | 1000 W @ 1 GHz |
| RF-leakage | ≤ 128 dB up to 1 GHz |

700 W @ 2 GHz

-VSWR in application depends decisive on PCB layout or cavity design-

Material And Plating

| Piece Parts | Material | Plating |
|----------------|------------------|---|
| Centre contact | Beryllium Copper | Gold plating (≥ 100 microinches; per MIL-G-45204; type I; grade C; class 2) |
| Body | Brass | Copper-Tin-Zinc Alloy |
| Insulator | PTFE | |

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Mechanical Data

| | |
|-----------------------------------|------------------|
| Coupling mechanisms | Screw-lock |
| Mating Cycles | ≥ 500 |
| Centre Contact | Soldered |
| Terminal Type | Solder cup |
| Captivated Type | Mechanical |
| Center contact captivation: axial | ≥ 28 N |
| radial | ≥ 3 Ncm |
| Coupling Test Torque | 1.7 Nm max. |
| Recommended Torque | 0.7 Nm to 1.1 Nm |

Environmental Data

| | |
|---------------------|---------------------------------|
| Temperature Range | -65°C to +165°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. B |
| Shock | MIL-STD-202, Meth. 213, Cond. I |
| Moisture Resistance | MIL-STD-202, Meth. 106 |
| RoHS | compliant |

Packing

Single or 100