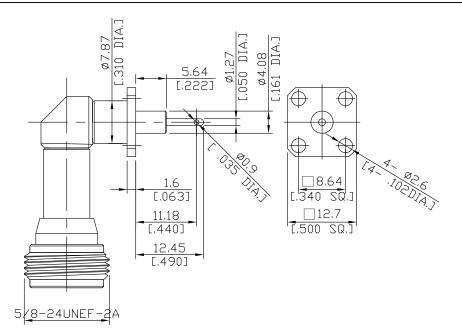


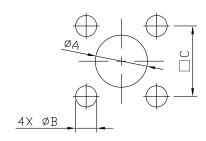
# Technical Data Sheet

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 / 90-LP



### Mounting Dimension



		mm		inch	
		Max.	Min.	Max.	Min.
	Α	4.3	4.2	.169	.165
	В	2.7	2.6	.106	.102
	С	8.69	8.59	.342	.338

All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

#### Interface

According to

Electrical Data

Impedance Frequency VSWR (Return Loss)

Insertion Loss Insulation Resistance

Center Contact Resistance Outer Contact Resistance Working Voltage (at sea level)

Power handling (at 20 °C, sea level, VSWR 1.0) RF-leakage

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

50 Ω

DC to 5 GHz ≤1.12 (≥24.94 dB)

≤ 0.05 x √F (GHz) dB

 $\geq 5 \text{ G}\Omega$  $\leq 1~\text{m}\Omega$ 

 $\leq 0.25~\text{m}\Omega$ 500 V rms

1000 W @ 1 GHz ≤ 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	Silver
Insulator	PTFE	

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.

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AUG/11/2025	N-CAGE Code: SEKKO / ISO9001 Certified	



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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.

### Environmental Data

Recommended Torque

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

0.7 Nm to 1.1 Nm