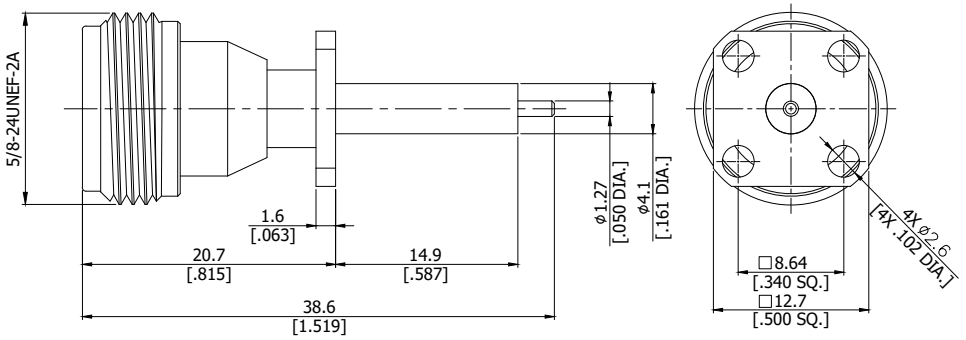
ROSNOL
RF/Microwave Interconnect

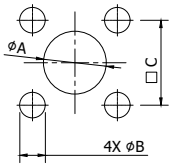
Technical Data Sheet

N Jack (Female) Connector Solder Attachment 4 Hole Flange Mount Stub Terminal, 8.64 (.340 inch) Hole Spacing DC-11GHz VSWR1.20

N2GFA50-3860A / 94



Mounting Dimensions



	mm		inch	
	Max.	Min.	Max.	Min.
A	4.3	4.2	0.169	0.165
B	2.8	2.7	0.110	0.106
C	8.69	8.59	0.342	0.338

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)	≤ 1.2 (≥ 20.8 dB)
Insertion Loss	≤ 0.5
Insulation Resistance	≥ 5 GΩ
Center Contact Resistance	≤ 1 mΩ
Outer Contact Resistance	≤ 1 mΩ
Working Voltage	1000 V rms, 50 Hz
Dielectric withstanding voltage (at sea level)	2500 V rms, 50 Hz

- Limitations are possible due to the used cable type -

Material And Plating

Piece Parts	Material	Plating
Centre contact	Beryllium Copper	Gold plating, 3 μinch (Non-magnetic nickel-phosphorus underplating, 80 μinch)
Body	Brass	Copper-Tin-Zinc Alloy
Insulator	PTFE	
Gasket	Silicone Rubber	

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Mechanical Data

Coupling mechanisms	Screw-lock
Mating Cycles	≥ 500
Centre Contact	Soldered
Terminal Type	Stub
Captivated Type	Mechanical
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, 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 I
Moisture Resistance	MIL-STD-202, Method 106
RoHS	compliant

Weight

N/A

Packing

Single or 100

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