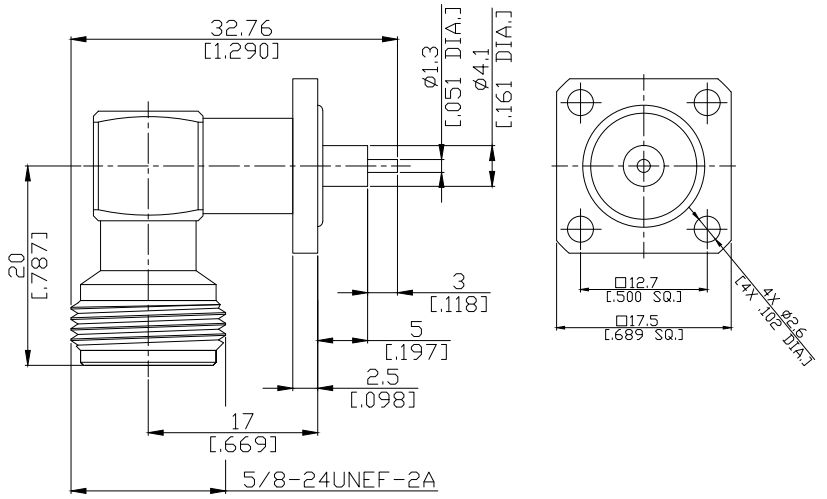
ROSNOL
RF/Microwave Interconnect

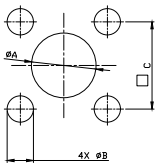
Technical Data Sheet

N Right-Angle Jack (Female) Connector Solder Attachment 4 Hole Flange Mount Stub Terminal, 12.7mm (.500 inch) Hole Spacing DC-6GHz VSWR1.22

N2GFA59-3276A / 93



Mounting Dimensions



	mm		inch	
	Max.	Min.	Max.	Min.
A	4.2	4.15	0.166	0.163
B	2.8	2.7	0.110	0.106
C	12.75	12.65	0.502	0.498

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 6 GHz	
VSWR (Return Loss)	≤1.22 (≥ 20 dB)	
Insertion Loss	≤ 0.05 dB, DC to 6 GHz	
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	1000 W @ 1 GHz	700 W @ 2 GHz
RF-leakage	≤ 128 dB up to 1 GHz	

Material And Plating

Piece Parts	Material	Plating
Centre contact	Beryllium Copper	Gold plating, 3 μinch (Non-magnetic nickel-phosphorus underplating, 80 μinch)
Body	Brass	Nickel
Insulator	PTFE	

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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	-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

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