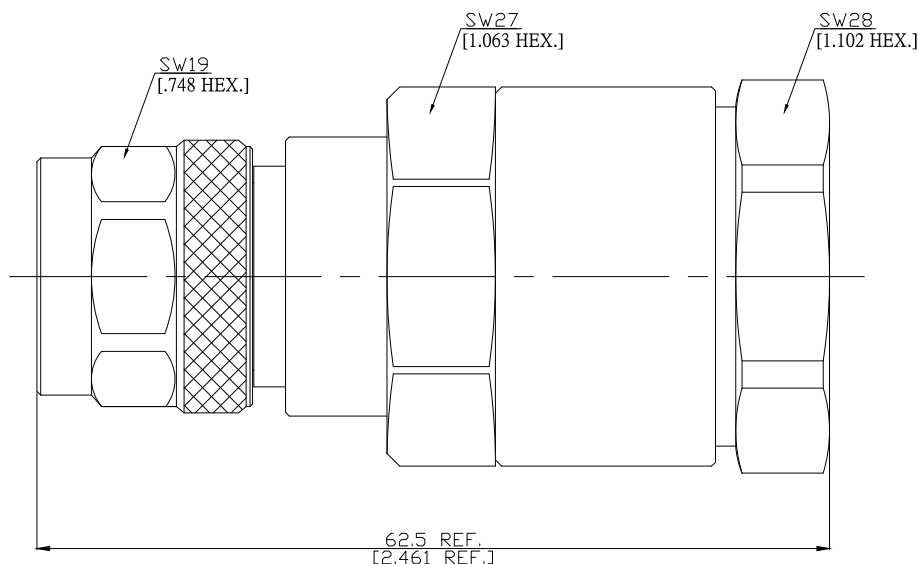


N Plug (Male) Straight Connector, Cable Entry: Clamp,
Contact Pin: Plug-in Attachment for 7/8", DC-5GHz

N1D50-LCF78-50J / 9XX



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

According to

IEC 60169-16; MIL-STD-348/304; CECC 22 210

Electrical Data

Impedance	50 Ω	
Frequency	DC to 5 GHz	
VSWR (Return Loss)	≤ 1.35 (≥ 16.54 dB)	
Insertion loss	≤ 0.05 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 (at 20 °C, sea level, VSWR 1.0)	1000 W @ 1 GHz	700 W @ 2 GHz

-VSWR in application depends decisive on cable assembly process-

Material And Plating

Piece Parts	Material	Plating
Centre contact	Brass	Gold plating (Non-magnetic nickel-phosphorus underplating)
Body	Brass	Nickel
Insulator	PTFE	
Gasket	Silicone Rubber	
Coupling nut	Brass	Nickel

N Plug (Male) Straight Connector, Cable Entry: Clamp,
Contact Pin: Plug-in Attachment for 7/8", DC-5GHz

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Mechanical Data

Coupling Mechanisms	Screw-Lock
Mating Cycles	≥ 500
Coupling nut retention	≥450N
Center contact captivation: axial	≥ 28 N
radial	≥ 3 Ncm
Centre Contact	Plug-in
Cable Entry	Clamped
Coupling test torque	≤ 1.7 Nm
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