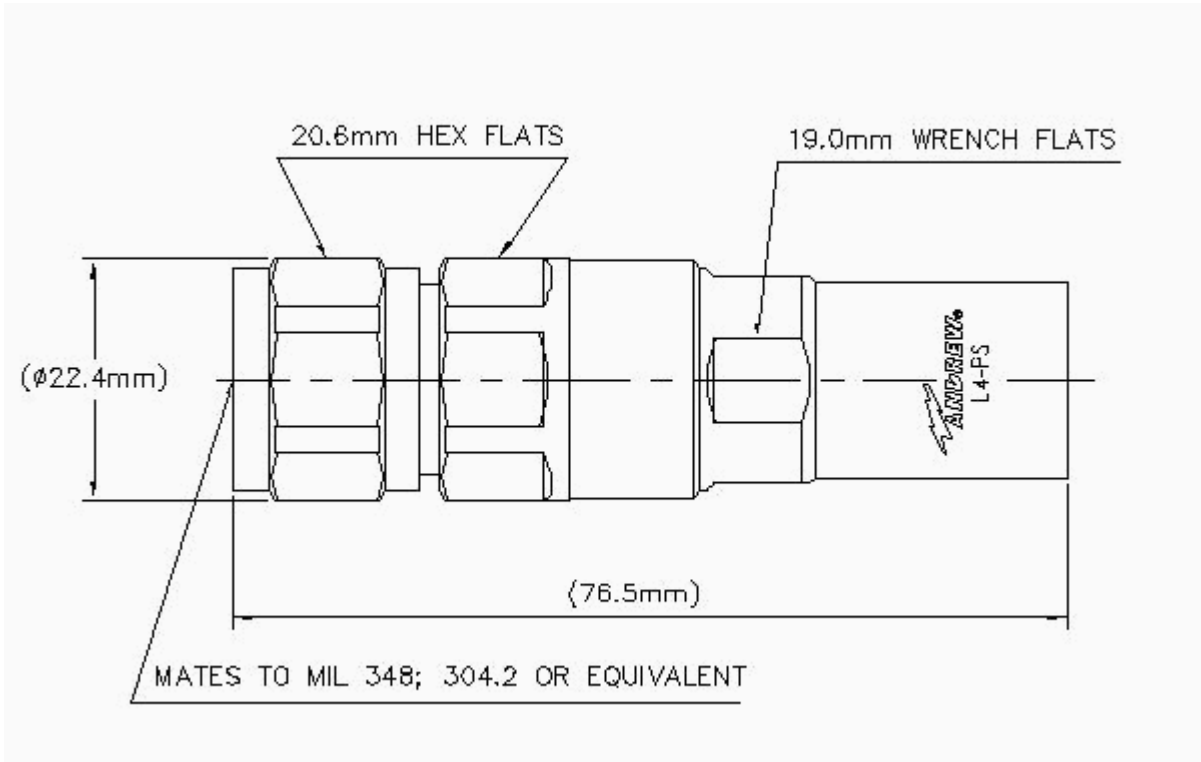


**L4TNM-PS**

**N Male Positive Stop™, for 1/2" LDF4-50A cable**



**CHARACTERISTICS**

**Electrical**

Recommended maximum operating frequency, GHz	8.80	Cable Limited
Peak power, max, kW	10.00	Connector Limited
Average power, max, kW @ 900 MHz	0.60	Connector Limited
dc test maximum voltage	2,000.00	Connector Limited
RF operating voltage, max, VRMS	707.00	Connector Limited
RF high potential, max, VRMS	990.00	Connector Limited
Inner contact resistance, milliohms (Outer)	0.30 (2.00)	
3rd order IM, product typical @ 910 MHz, -dBm (Method)	116.00	
Insulation resistance, min, Megaohms	5,000.00	
Shielding effectiveness, dB	130.00	
Connector impedance, ohms	50.00	
Cable impedance, ohms	50.00	
Insertion loss, max, dB	0.05 $\sqrt{\text{frequency(GHz)}}$	
Connector Return Loss, dB		
<u>Start</u>	<u>Stop</u>	<u>Return Loss</u>
0.05 -	1.00 GHz	39.00
1.01 -	2.20 GHz	37.00
2.21 -	3.00 GHz	33.00
3.01 -	4.00 GHz	29.00
4.01 -	6.00 GHz	25.00
6.01 -	8.00 GHz	23.00

**Customer Support Center:**

From North America: 1-800-255-1479  
 International: +1-708-873-2307

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## L4TNM-PS

### N Male Positive Stop™, for 1/2" LDF4-50A cable

#### Mechanical

Inner attachment method	Captivated
Connector weight, g	93.00
Pressurizable	No
Coupling nut retention force, N (lb)	444.82 (100.00)
Minimum coupling nut torque, N-m (lb-in)	176.26 (1,560.00)
Minimum connector retention tensile force, N (lb)	889.64 (200.00)
Minimum connector retention torque, N-m (lb-in)	5.42 (48.00)
Attachment durability, number of cycles	25
Interface durability, number of cycles	500

#### Environmental

Moisture resistance test	MIL-STD-202F, Method 106F
Mechanical shock test	MIL-STD-202, Method 213, Condition I
Corrosion test	MIL-STD-1344A, Method 1001.1, Test Cond. A
Thermal shock test	MIL-STD-202, Method 107, Cond A-1, Low Temp -55°C
Vibration test	MIL-STD-202F, Method 204D, Test Condition B
Operating temperature range, °C	-55.00°C - 85.00°C
Storage temperature range, °C	-55.00°C - 85.00°C
Immersion test, unmated connectors	IEC 529:1989,IP68
Water jetting test, unmated connectors	IEC 529:1989,IP66

#### Components

N Male Front Body	Material: Brass	Exterior finish: Trimetal Plate
N Male Insulator Assembly	Material: Phosphor Bronze	Exterior finish: Silver Plate
Clamping Nut	Material: Brass	Exterior finish: Trimetal Plate
Hex Coupling Nut	Material: Brass	Exterior finish: Trimetal Plate
Spring Retaining Ring	Material: Phosphor Bronze	
Spring Ring	Material: Stainless Steel	
O-Ring	Material: Silicone Rubber	
O-Ring	Material: Silicone Rubber	
O-Ring	Material: Silicone Rubber	
Type N Gasket	Material: Silicone Rubber	

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