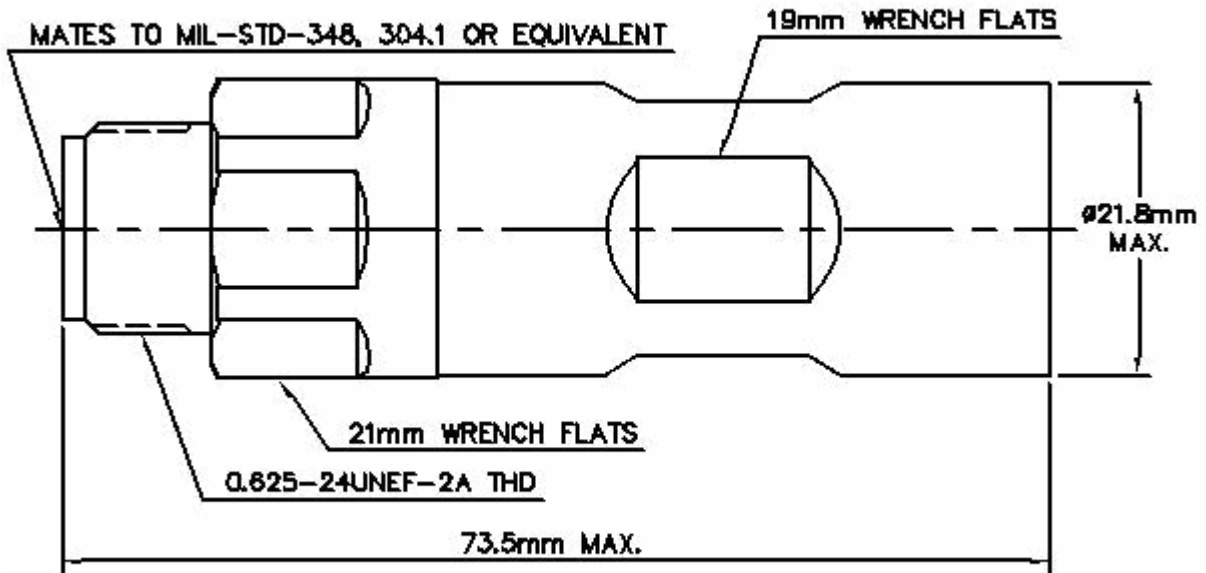


L4TNF-PS

N Female 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

Customer Support Center:

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

www.andrew.com

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L4TNF-PS

N Female Positive Stop™ for 1/2" LDF4-50A Cable

Mechanical

Inner attachment method	Captivated
Outer attachment method	Ring-Flare
Connector weight, g	117.00
Pressurizable	No
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-202, Method 204, 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
Immersion depth, m	1.00
Water jetting test, unmated connectors	IEC 529:1989,IP66

Components

N Female Front Body	Material: Brass	Exterior finish: Trimetal Plate
N Female Insulator Assembly	Material: Phosphor Bronze	Exterior finish: Silver Plate
Clamping Nut	Material: Brass	Exterior finish: Trimetal Plate
Spring Ring	Material: Stainless Steel	
O-Ring	Material: Silicone Rubber	

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