

# Product Specifications



## L4TNF-PS

Type N Female Positive Stop™ for 1/2 in LDF4-50A cable

## CHARACTERISTICS

### General Specifications

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Interface	N Female
Body Style	Straight
Mounting Angle	Straight

### Electrical Specifications

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Operating Frequency Band	0 – 8800 MHz
3rd Order IMD Test Method	Two +43 dBm Carriers
Average Power	0.6 kW @ 900 MHz
Cable Impedance	50 ohm
Connector Impedance	50 ohm
dc Test Voltage	2000 V
Inner Contact Resistance	1.70 mOhm
Insulation Resistance, minimum	5000 MOhm
Outer Contact Resistance	2.00 mOhm
Peak Power, maximum	10.00 kW
RF Operating Voltage, maximum (vrms)	707.00 V
Shielding Effectiveness	-130 dB
3rd Order IMD	-116 dBm @ 910 MHz

### Mechanical Specifications

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Outer Contact Attachment Method	RingFlare™
Attachment Durability	25 cycles
Connector Retention Tensile Force	200 lbf   890 N
Connector Retention Torque	48 in lb   5 N·m
Inner Contact Attachment Method	Captivated
Insertion Force	15.00 lbf   66.72 N
Insertion Force Method	MIL-C-39012C-3.12, 4.6.9
Interface Durability	500 cycles
Interface Durability Method	IEC 169-16:9.5
Pressurizable	No

### Dimensions

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Nominal Size	1/2 in
Diameter, maximum	0.88 in   22.40 mm
Length	4.37 in   111.00 mm
Weight	117.00 g   0.26 lb

### Environmental Specifications

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Corrosion Test Method	MIL-STD-1344A, Method 1001.1, Test Condition A
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# Product Specifications



Immersion Depth	1 m
Immersion Test Mating	Unmated
Immersion Test Method	IEC 529:1989, IP68
Mechanical Shock Test Method	MIL-STD-202, Method 213, Test Condition I
Moisture Resistance Test Method	MIL-STD-202F, Method 106F
Operating Temperature	-55 °C to +85 °C (-67 °F to +185 °F)
Storage Temperature	-55 °C to +85 °C (-67 °F to +185 °F)
Thermal Shock Test Method	MIL-STD-202F, Method 107G, Test Condition A-1, Low Temperature -55 °C
Vibration Test Method	IEC 68, Part 2-6
Water Jetting Test Mating	Unmated
Water Jetting Test Method	IEC 529:1989, IP66

## Standard Conditions

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Attenuation, Ambient Temperature	20 °C   68 °F
Average Power, Ambient Temperature	40 °C   104 °F

## Return Loss

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Frequency Band	Return Loss (dB)
50–1000 MHz	39.00
1010–2200 MHz	37.00
2210–3000 MHz	33.00
3010–4000 MHz	29.00
4010–6000 MHz	25.00

## \* Footnotes

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Immersion Depth	Immersion at specified depth for 24 hours
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