LITNF-PL



Type N Female Positive Lock for 1/4 in LDF1-50 cable

Wireless and radiating connector

HELIAX®

Product Classification

Product Type Product Brand

General Specifications

Body Style	Straight
Cable Family	LDF1-50
Inner Contact Attachment Method	Captivated
Inner Contact Plating	Silver
Interface	N Female
Mounting Angle	Straight
Outer Contact Attachment Method	Self-flare
Outer Contact Plating	Trimetal
Pressurizable	No
Dimensions	

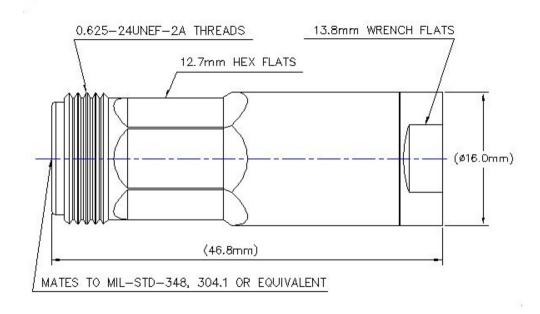
Height	16 mm 0.63 in
Width	16 mm 0.63 in
Length	46.74 mm 1.84 in
Diameter	16 mm 0.63 in
Nominal Size	1/4 in

Outline Drawing

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Electrical Specifications

-107 dBm @ 910 MHz
Two +43 dBm carriers
0.05 dB
0.6 kW @ 900 MHz
50 ohm
50 ohm
2200 V
1 mOhm
5000 MOhm
0 – 12000 MHz
0.25 m0hm
10 kW
707 V
-110 dB

VSWR/Return Loss

Frequency Band	VSWR	Return Loss (dB)
0–960 MHz	1.04	35.6

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960–2200 MHz	1.06	31
2200–2700 MHz	1.06	30.8
2700-4000 MHz	1.07	30
4000–6000 MHz	1.13	24.8
6000-8000 MHz	1.28	18.4
8000–10000 MHz	1.3	17.8
10000–12000 MHz	1.31	17.6

Mechanical Specifications

Attachment Durability	25 cycles
Connector Retention Tensile Force	449.27 N 101 lbf
Coupling Nut Proof Torque	1.7 N-m 15.046 in lb
Insertion Force	27.98 N 6.29 lbf
Insertion Force Method	IEC 61169-1:15.2.4
Interface Durability	500 cycles
Interface Durability Method	IEC 61169-16:9.5
Mechanical Shock Test Method	IEC 60068-2-27

Environmental Specifications

Operating Temperature	-55 °C to +85 °C (-67 °F to +185 °F)
Storage Temperature	-65 °C to +125 °C (-85 °F to +257 °F)
Attenuation, Ambient Temperature	20 °C 68 °F
Average Power, Ambient Temperature	40 °C 104 °F
Average Power, Inner Conductor Temperature	100 °C 212 °F
Corrosion Test Method	IEC 60068-2-11
Immersion Depth	1 m
Immersion Test Mating	Mated
Immersion Test Method	IEC 60529:2001, IP68
Moisture Resistance Test Method	IEC 60068-2-3
Thermal Shock Test Method	IEC 60068-2-14
Vibration Test Method	IEC 60068-2-6
Packaging and Meights	

Packaging and Weights

Weight, net

44.92 g | 0.099 lb

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Regulatory Compliance/Certifications

Agency

Classification

CHINA-ROHS ISO 9001:2015

REACH-SVHC

ROHS



Below maximum concentration value Designed, manufactured and/or distributed under this quality management system Compliant as per SVHC revision on www.commscope.com/ProductCompliance Compliant

* Footnotes

Insertion Loss, typical0.05v⁻freq (GHz) (not applicable for elliptical waveguide)Immersion DepthImmersion at specified depth for 24 hours

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