# F2TNM-PL



#### Type N Male Positive Lock for 3/8 in FSJ2-50 cable

Product Classification Brand Product Type

HELIAX® Wireless and radiating connector

## General Specifications

Interface Body Style Mounting Angle N Male Straight Straight

## **Electrical Specifications**

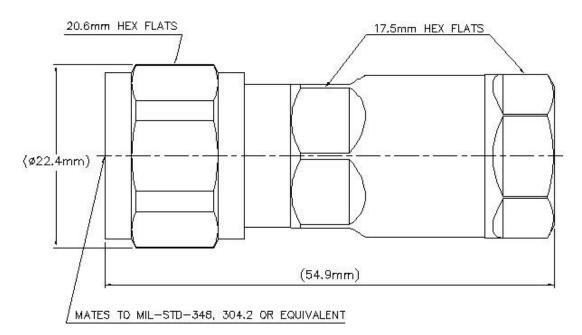
50 ohm	
0 – 6000 MHz	
50 ohm	
-116 dBm @ 1800 MHz	
Two +43 dBm carriers	
707.00 V	
2300 V	
0.25 mOhm	
1.00 mOhm	
5000 MOhm	
0.7 kW @ 900 MHz	
10.00 kW	
0.05 dB	
-110 dB	

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## Outline Drawing



## Mechanical Specifications

Outer Contact Attachment Method	Crush-flare	
Inner Contact Attachment Method	Captivated	
Outer Contact Plating	Trimetal	
Inner Contact Plating	Silver	
Interface Durability	500 cycles	
Interface Durability Method	IEC 61169-16:9.5	
Connector Retention Tensile Force	670 N   151 lbf	
Connector Retention Torque	2.70 N-m   1.99 ft lb	
Insertion Force	28.00 N   6.29 lbf	
Insertion Force Method	IEC 61169-1:15.2.4	
Pressurizable	No	
Coupling Nut Proof Torque	1.70 N-m   1.25 ft lb	
Coupling Nut Retention Force	450.00 N   101.16 lbf	
Coupling Nut Retention Force Method	MIL-C-39012C-3.25, 4.6.22	

#### Dimensions

Nominal Size	3/8 in
Diameter	22.35 mm   0.88 in

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Height	22.35 mm   0.88 in
Length	54.85 mm   2.16 in
Weight	87.43 g   0.19 lb
Width	22.35 mm   0.88 in

#### **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)
Immersion Depth	1 m
Immersion Test Mating	Mated
Immersion Test Method	IEC 60529:2001, IP68
Moisture Resistance Test Method	IEC 60068-2-3
Mechanical Shock Test Method	IEC 60068-2-27
Thermal Shock Test Method	IEC 60068-2-14
Vibration Test Method	IEC 60068-2-6
Corrosion Test Method	IEC 60068-2-11

## Standard Conditions

Attenuation, Ambient Temperature	20 °C   68 °F
Average Power, Ambient Temperature	40 °C   104 °F
Average Power, Inner Conductor Temperature	100 °C   212 °F

#### Return Loss/VSWR

Frequency Band	VSWR	Return Loss (dB)
0–3000 MHz	1.07	30.00
3000–4000 MHz	1.08	28.00
4000–6000 MHz	1.11	26.00

## Regulatory Compliance/Certifications

Agency Classification RoHS 2011/65/EU Compliant by Exemption ISO 9001:2015 Designed, manufactured and/or distributed under this quality management system China RoHS SJ/T 11364-2014 Above Maximum Concentration Value (MCV)



\* Footnotes

**Immersion Depth** 



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Insertion Loss, typical 0.05v<sup>-</sup>freq (GHz) (not applicable for elliptical waveguide)

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