

Type N Male for 3/8 in LDF2-50 cable

OBSOLETE

Replaced By:

| | |
|-----------|---|
| L2TNM-PL | Type N Male Positive Lock for 3/8 in LDF2-50 cable |
| L2TNM-PLP | Type N Male (PEEK Insulator) Positive Lock for 3/8 in LDF2-50 cable |

Product Classification

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|----------------------|----------------------------------|
| Product Type | Wireless and radiating connector |
| Product Brand | HELIAX® |

General Specifications

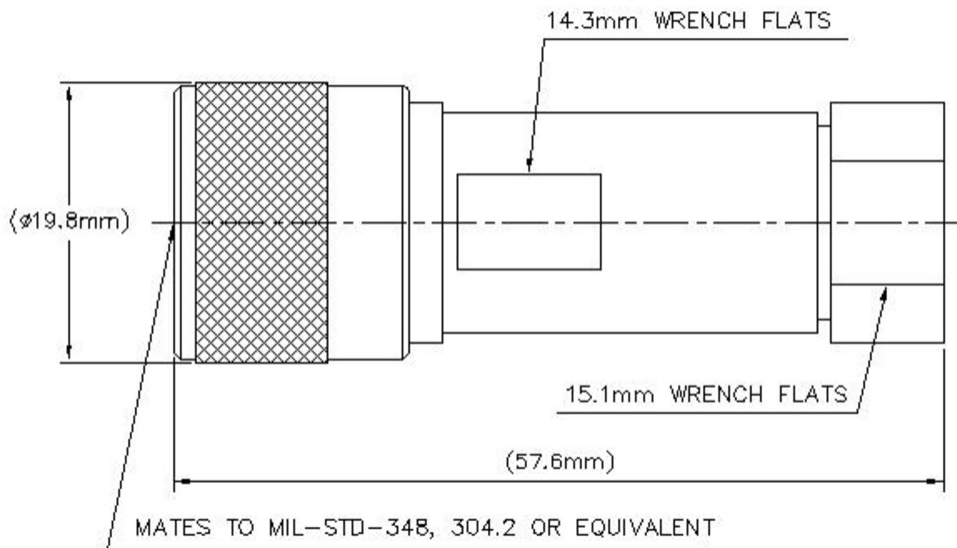
| | |
|--|------------------------|
| Body Style | Straight |
| Cable Family | LDF2-50 |
| Inner Contact Attachment Method | Solder |
| Inner Contact Plating | Copper alloy treatment |
| Interface | N Male |
| Mounting Angle | Straight |
| Outer Contact Attachment Method | Self-flare |
| Outer Contact Plating | Copper alloy treatment |
| Pressurizable | No |

Dimensions

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| Length | 57.66 mm 2.27 in |
| Diameter | 17.53 mm 0.69 in |
| Nominal Size | 3/8 in |

Outline Drawing

L2NM



Electrical Specifications

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|---|----------------------|
| 3rd Order IMD at Frequency | -112 dBm @ 910 MHz |
| 3rd Order IMD Test Method | Two +43 dBm carriers |
| Average Power at Frequency | 0.7 kW @ 900 MHz |
| Cable Impedance | 50 ohm |
| Connector Impedance | 50 ohm |
| dc Test Voltage | 2500 V |
| Inner Contact Resistance, maximum | 1 mOhm |
| Insulation Resistance, minimum | 5000 MOhm |
| Operating Frequency Band | 0 – 6000 MHz |
| Outer Contact Resistance, maximum | 0.25 mOhm |
| Peak Power, maximum | 10 kW |
| RF Operating Voltage, maximum (vrms) | 707 V |
| Shielding Effectiveness | -110 dB |

Mechanical Specifications

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|--|------------------------|
| Connector Retention Tensile Force | 671.68 N 151 lbf |
| Connector Retention Torque | 2.7 N-m 23.897 in lb |
| Coupling Nut Proof Torque | 1.7 N-m 15.046 in lb |

L2NM

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| Coupling Nut Proof Torque Method | IEC 61169-16:9.3.11 |
| Coupling Nut Retention Force | 445 N 100.04 lbf |
| Coupling Nut Retention Force Method | IEC 61169-16:9.3.11 |
| Insertion Force | 124.55 N 28 lbf |
| Insertion Force Method | IEC 61169-16:9.3.5 |
| Interface Durability | 500 cycles |
| Interface Durability Method | IEC 61169-4:17 |
| Mechanical Shock Test Method | IEC 60068-2-27 |

Environmental Specifications

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|---|---------------------------------------|
| 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 Weights

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|--------------------|-------------------|
| Weight, net | 47.5 g 0.105 lb |
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* Footnotes

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| Immersion Depth | Immersion at specified depth for 24 hours |
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