

L4NM-7550-H



Type N Male for 1/2 in LDF4-75 cable

OBSOLETE

This product was discontinued on: April 26, 2009

Product Classification

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

General Specifications

| | |
|--|------------|
| Body Style | Straight |
| Cable Family | LDF4-75 |
| Inner Contact Attachment Method | Solder |
| Inner Contact Plating | Unplated |
| Interface | N Male |
| Mounting Angle | Straight |
| Outer Contact Attachment Method | Self-flare |
| Outer Contact Plating | Unplated |
| Pressurizable | No |

Dimensions

| | |
|---------------------|-------------------|
| Length | 63.5 mm 2.5 in |
| Diameter | 22.86 mm 0.9 in |
| Nominal Size | 1/2 in |

Electrical Specifications

| | |
|--|------------------|
| Insertion Loss Coefficient, typical | 0.05 |
| Average Power at Frequency | 0.6 kW @ 900 MHz |
| Cable Impedance | 75 ohm |

L4NM-7550-H

| | |
|---|---------------|
| Connector Impedance | 50 ohm |
| dc Test Voltage | 2000 V |
| Inner Contact Resistance, maximum | 0.3 mOhm |
| Insulation Resistance, minimum | 5000 MOhm |
| Operating Frequency Band | 0 – 10000 MHz |
| Outer Contact Resistance, maximum | 1.7 mOhm |
| Peak Power, maximum | 10 kW |
| RF Operating Voltage, maximum (vrms) | 707 V |
| Shielding Effectiveness | -110 dB |

Mechanical Specifications

| | |
|-------------------------------------|-------------------------|
| Attachment Durability | 25 cycles |
| Coupling Nut Proof Torque | 4.52 N-m 39.997 in lb |
| Coupling Nut Retention Force | 444.82 N 100 lbf |
| Interface Durability | 500 cycles |
| Interface Durability Method | IEC 61169-16:9.5 |

Environmental Specifications

| | |
|---|--------------------------------------|
| Operating Temperature | -40 °C to +85 °C (-40 °F to +185 °F) |
| Storage Temperature | -40 °C to +85 °C (-40 °F to +185 °F) |
| Attenuation, Ambient Temperature | 20 °C 68 °F |
| Average Power, Ambient Temperature | 40 °C 104 °F |
| Immersion Test Mating | Mated |

Packaging and Weights

| | |
|--------------------|------------------|
| Weight, net | 133 g 0.293 lb |
|--------------------|------------------|

* Footnotes

Insertion Loss Coefficient, typical $0.05\sqrt{\text{freq}}$ (GHz) (not applicable for elliptical waveguide)