

L44M

LC Male for 1/2 in LDF4-50A cable

OBSOLETE

Product Classification

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

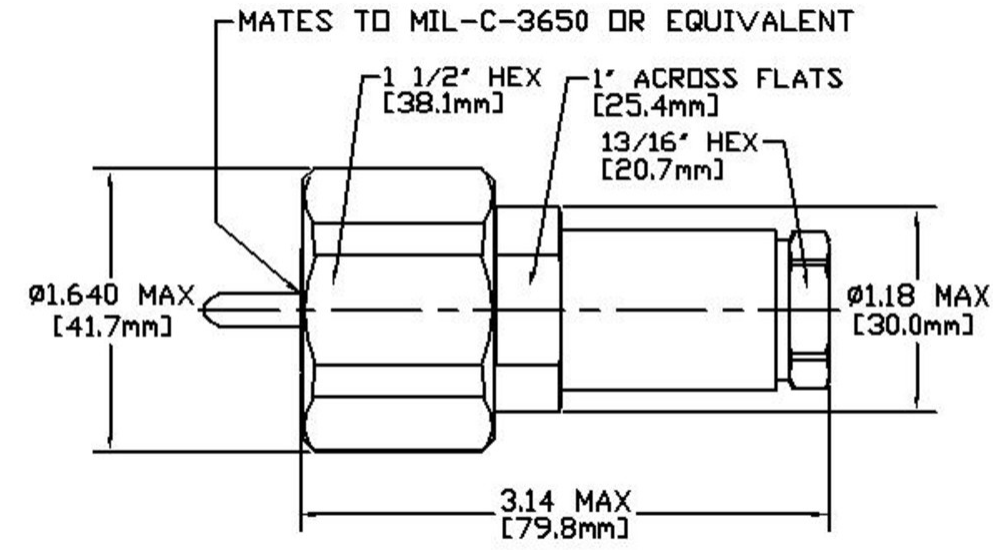
General Specifications

| | |
|---------------------------------|------------|
| Body Style | Straight |
| Cable Family | LDF4-50A |
| Inner Contact Attachment Method | Solder |
| Inner Contact Plating | Unplated |
| Interface | LC Male |
| Mounting Angle | Straight |
| Outer Contact Attachment Method | Self-flare |
| Outer Contact Plating | Unplated |
| Pressurizable | No |

Dimensions

| | |
|--------------|-------------------|
| Length | 91.44 mm 3.6 in |
| Diameter | 22.86 mm 0.9 in |
| Nominal Size | 1/2 in |

Outline Drawing



Electrical Specifications

| | |
|--------------------------|--------------|
| Insertion Loss, typical | 0.05 dB |
| Cable Impedance | 50 ohm |
| Operating Frequency Band | 0 – 7000 MHz |

VSWR/Return Loss

| Frequency Band | VSWR | Return Loss (dB) |
|----------------|------|------------------|
| 45–1800 MHz | 1.33 | 17 |
| 1800–4400 MHz | 1.38 | 16 |
| 4400–6200 MHz | 1.68 | 12 |
| 6200–7900 MHz | 1.79 | 11 |
| 7900–8800 MHz | 3.01 | 6 |

Mechanical Specifications

| | |
|-----------------------------------|-------------------------|
| Attachment Durability | 25 cycles |
| Connector Retention Tensile Force | 889.64 N 200 lbf |
| Connector Retention Torque | 5.42 N-m 47.998 in lb |

Environmental Specifications

| | |
|----------------------------------|---------------|
| Attenuation, Ambient Temperature | 20 °C 68 °F |
|----------------------------------|---------------|

L44M

Average Power, Ambient Temperature 40 °C | 104 °F

Packaging and Weights

Weight, net 318 g | 0.701 lb

* Footnotes

Insertion Loss, typical 0.05v~freq (GHz) (not applicable for elliptical waveguide)