#### F Flange Male for 1/2 in LDF4-50A cable

#### OBSOLETE

This product was discontinued on: December 31, 2010

#### Product Classification

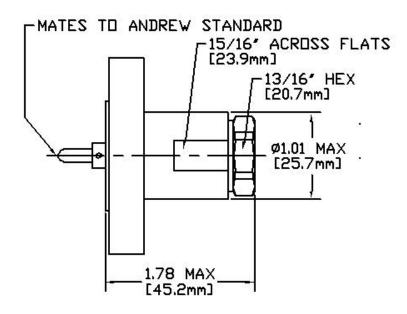
Product Type	Wireless and radiating connector
Product Brand	HELIAX®
General Specifications	
Body Style	Straight
Cable Family	LDF4-50A
Inner Contact Attachment Method	Solder
Inner Contact Plating	Unplated
Interface	F Flange Male
Mounting Angle	Straight
Outer Contact Attachment Method	Self-flare
Outer Contact Plating	Unplated
Pressurizable	No
Dimensions	
Length	58.42 mm   2.3 in
Diameter	58.42 mm   2.3 in
Nominal Size	1/2 in

# Outline Drawing

Page 1 of 3

©2023 CommScope, Inc. All rights reserved. CommScope and the CommScope logo are registered trademarks of CommScope and/or its affiliates in the U.S. and other countries. For additional trademark information see https://www.commscope.com/trademarks. All product names, trademarks and registered trademarks are property of their respective owners. Revised: December 20, 2023





# **Electrical Specifications**

Insertion Loss Coefficient, typical	0.05
Cable Impedance	50 ohm
Operating Frequency Band	0 – 3000 MHz

## VSWR/Return Loss

Frequency Band	VSWR	Return Loss (dB)
45–600 MHz	1.036	35.05
600–1200 MHz	1.052	31.92
1200–1800 MHz	1.094	26.96
1800–2400 MHz	1.094	26.96
2400–3000 MHz	1.152	23.02

### 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

Page 2 of 3

©2023 CommScope, Inc. All rights reserved. CommScope and the CommScope logo are registered trademarks of CommScope and/or its affiliates in the U.S. and other countries. For additional trademark information see https://www.commscope.com/trademarks. All product names, trademarks and registered trademarks are property of their respective owners. Revised: December 20, 2023



# L44F

Average Power, Ambient Temperature	40 °C   104 °F
Packaging and Weights	
Weight, net	354 g   0.78 lb

## \* Footnotes

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

Page 3 of 3

©2023 CommScope, Inc. All rights reserved. CommScope and the CommScope logo are registered trademarks of CommScope and/or its affiliates in the U.S. and other countries. For additional trademark information see https://www.commscope.com/trademarks. All product names, trademarks and registered trademarks are property of their respective owners. Revised: December 20, 2023

