

L44F

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®

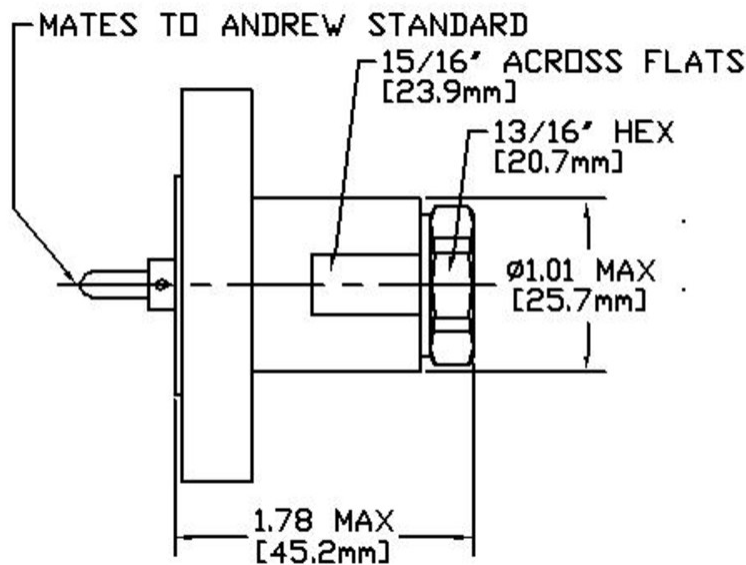
General Specifications

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



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

Packaging and Weights

Weight, net 354 g | 0.78 lb

* Footnotes

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