

Splice for 1/2 in LDF4-50A cable

**OBSOLETE**

This product was discontinued on: December 31, 2010

## Product Classification

<b>Product Type</b>	Wireless and radiating connector
<b>Product Brand</b>	HELIAX®

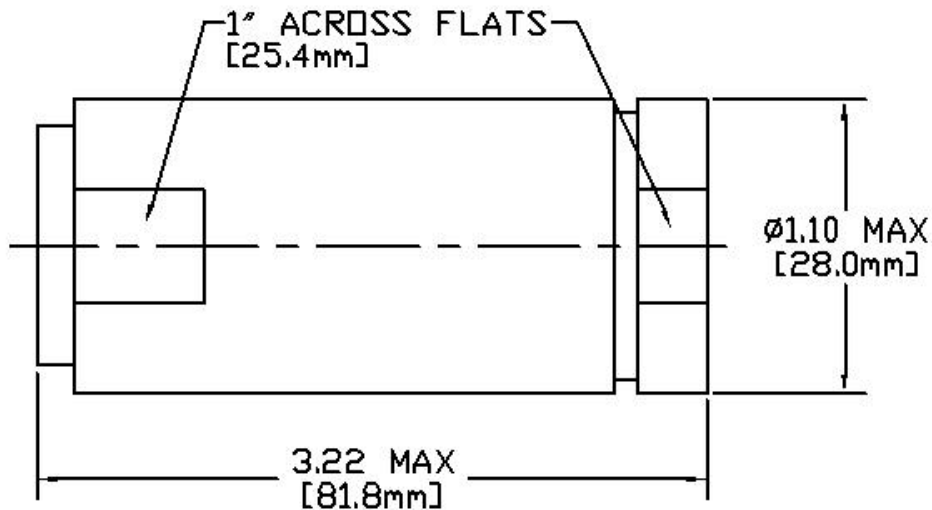
## General Specifications

<b>Body Style</b>	Splice
<b>Cable Family</b>	LDF4-50A
<b>Inner Contact Attachment Method</b>	Self-tapping
<b>Inner Contact Plating</b>	Unplated
<b>Interface</b>	Splice
<b>Mounting Angle</b>	Straight
<b>Outer Contact Attachment Method</b>	Self-flare
<b>Outer Contact Plating</b>	Unplated
<b>Pressurizable</b>	No

## Dimensions

<b>Length</b>	81.28 mm   3.2 in
<b>Diameter</b>	28.96 mm   1.14 in
<b>Nominal Size</b>	1/2 in

## Outline Drawing



## Electrical Specifications

<b>Insertion Loss Coefficient, typical</b>	0.05
<b>Cable Impedance</b>	50 ohm
<b>Connector Impedance</b>	50 ohm
<b>Insulation Resistance, minimum</b>	5000 MOhm
<b>Operating Frequency Band</b>	0 – 8800 MHz
<b>Shielding Effectiveness</b>	-110 dB

## Mechanical Specifications

<b>Attachment Durability</b>	25 cycles
<b>Connector Retention Tensile Force</b>	889.64 N   200 lbf
<b>Connector Retention Torque</b>	5.42 N-m   47.998 in lb
<b>Mechanical Shock Test Method</b>	MIL-STD-202, Method 213, Test Condition I

## Environmental Specifications

<b>Operating Temperature</b>	-55 °C to +150 °C (-67 °F to +302 °F)
<b>Storage Temperature</b>	-70 °C to +150 °C (-94 °F to +302 °F)
<b>Attenuation, Ambient Temperature</b>	20 °C   68 °F
<b>Average Power, Ambient Temperature</b>	40 °C   104 °F

<b>Corrosion Test Method</b>	MIL-STD-202, Method 101, Test Condition B
<b>Immersion Depth</b>	1 m
<b>Moisture Resistance Test Method</b>	MIL-STD-202, Method 106
<b>Thermal Shock Test Method</b>	MIL-STD-202, Method 107, Test Condition A-1, Low Temperature -55 °C
<b>Vibration Test Method</b>	MIL-STD-202, Method 204, Test Condition B

## Packaging and Weights

<b>Weight, net</b>	272 g   0.6 lb
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## \* Footnotes

<b>Insertion Loss Coefficient, typical</b>	0.05√freq (GHz) (not applicable for elliptical waveguide)
<b>Immersion Depth</b>	Immersion at specified depth for 24 hours