L47S



7/8 in EIA Flange for 1-5/8 in LDF7-50A cable

• This product is exclusively available through distribution partners

OBSOLETE

This product was discontinued on: February 9, 2009

Product Classification

Product Type Wireless and radiating connector

Product Brand HELIAX®

General Specifications

Body StyleStraightCable FamilyLDF7-50AInner Contact Attachment MethodTab-flareInner Contact PlatingUnplated

Interface 7/8 in EIA Flange

Mounting AngleStraightOuter Contact Attachment MethodSelf-flareOuter Contact PlatingUnplatedPressurizableNo

Dimensions

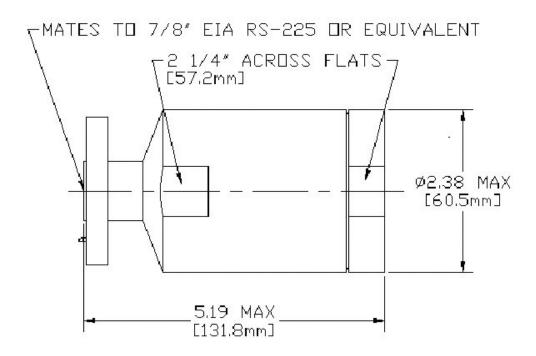
 Length
 129.54 mm | 5.1 in

 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 – 2500 MHz

VSWR/Return Loss

Frequency Band	VSWR	Return Loss (dB)

45–1500 MHz 1.046 32.96 **1500–2500 MHz** 1.083 27.99

Mechanical Specifications

Attachment Durability 25 cycles

Connector Retention Tensile Force 2,224.11 N | 500 lbf

Connector Retention Torque 13.56 N-m | 119.998 in lb

Environmental Specifications

Attenuation, Ambient Temperature $20 \, ^{\circ}\text{C} \mid 68 \, ^{\circ}\text{F}$ Average Power, Ambient Temperature $40 \, ^{\circ}\text{C} \mid 104 \, ^{\circ}\text{F}$

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Packaging and Weights

Weight, net

* Footnotes

Insertion Loss Coefficient, typical 0.05√ freq (GHz) (not applicable for elliptical waveguide)

1,161.22 g | 2.56 lb

