



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

OBSOLETE

This product was discontinued on: March 12, 2008

Product Classification

Product Type	Wireless and radiating connector
Product Brand	HELIAX®

General Specifications

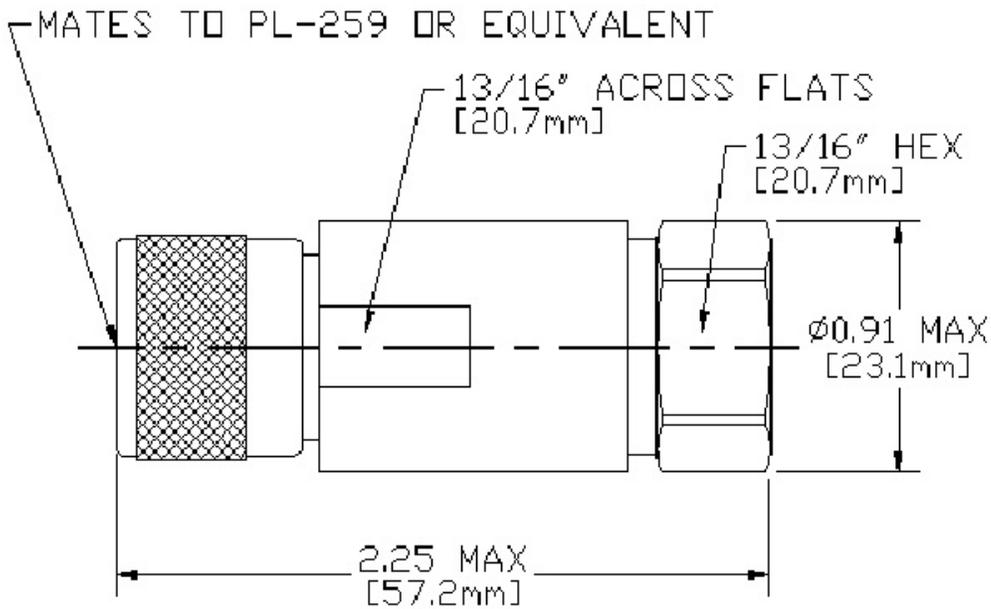
Body Style	Straight
Cable Family	LDF4-50A
Inner Contact Attachment Method	Solder
Inner Contact Plating	Unplated
Interface	UHF Male
Mounting Angle	Straight
Outer Contact Attachment Method	Self-flare
Outer Contact Plating	Unplated
Pressurizable	No

Dimensions

Length	58.42 mm 2.3 in
Diameter	22.86 mm 0.9 in
Nominal Size	1/2 in

Outline Drawing

L44P



Electrical Specifications

Insertion Loss Coefficient, typical	0.05
Cable Impedance	50 ohm
Operating Frequency Band	0 – 2000 MHz

VSWR/Return Loss

Frequency Band	VSWR	Return Loss (dB)
45–400 MHz	1.93	10
400–800 MHz	3.57	5
800–2000 MHz	5.85	3

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
Average Power, Ambient Temperature	40 °C 104 °F

L44P

Packaging and Weights

Weight, net

77.11 g | 0.17 lb

* Footnotes

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