

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

OBSOLETE

This product was discontinued on: May 19, 2011

Product Classification

Product Type	Wireless and radiating connector
Product Brand	HELIAX®

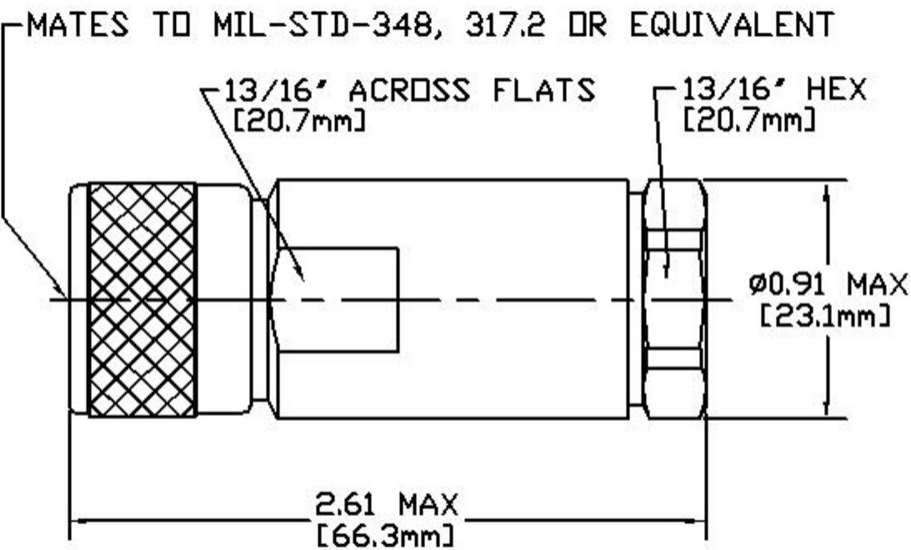
General Specifications

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

Dimensions

Length	63.5 mm 2.5 in
Diameter	22.86 mm 0.9 in
Nominal Size	1/2 in

Outline Drawing



Electrical Specifications

Insertion Loss Coefficient, typical	0.05
Cable Impedance	50 ohm
Operating Frequency Band	0 – 6500 MHz

VSWR/Return Loss

Frequency Band	VSWR	Return Loss (dB)
450–880 MHz	1.135	23.98
880–1800 MHz	1.33	17
1800–2600 MHz	1.5	14
2600–6200 MHz	1.79	11
6200–7000 MHz	2.33	8
7000–8800 MHz	3.57	5

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

Packaging and Weights

Weight, net	154 g 0.34 lb
-------------	-----------------

* Footnotes

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