

L4PNR-HC

Type N Male Right Angle for 1/2 in LDF4-50A cable

OBSOLETE

This product was discontinued on: December 31, 2015

Replaced By:

L4TNR-HC Type N Male Right Angle for 1/2 in LDF4-50A cable

Product Classification

Product Type	Wireless and radiating connector
Product Brand	HELIAX®

General Specifications

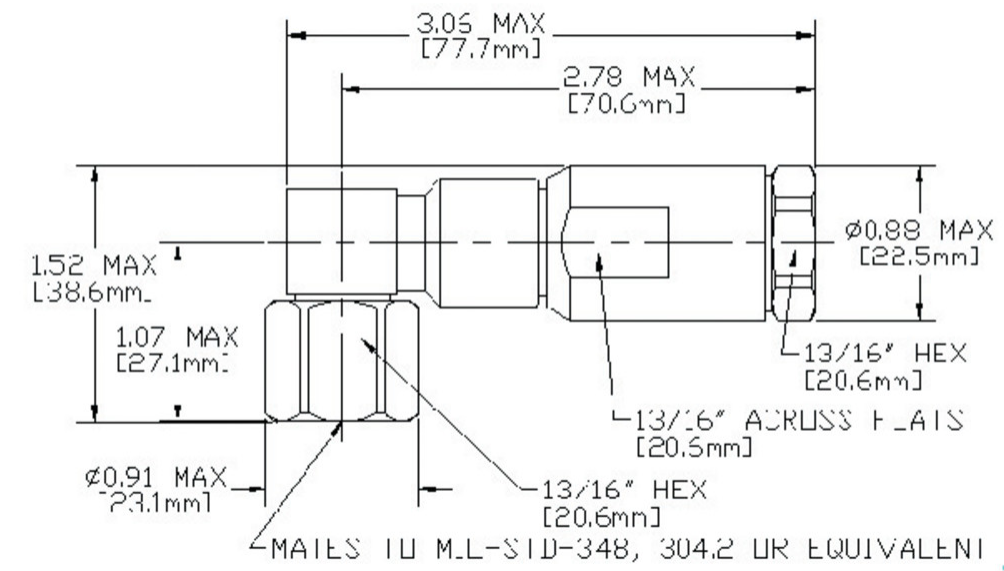
Body Style	Right angle
Cable Family	LDF4-50A
Inner Contact Attachment Method	Captivated
Inner Contact Plating	Silver
Interface	N Male
Mounting Angle	Right angle
Outer Contact Attachment Method	Self-flare
Outer Contact Plating	Silver
Pressurizable	No

Dimensions

Width	23.37 mm 0.92 in
Length	56.64 mm 2.23 in
Right Angle Length	38.61 mm 1.52 in
Diameter	23.11 mm 0.91 in
Nominal Size	1/2 in

Outline Drawing

L4PNR-HC



Electrical Specifications

3rd Order IMD at Frequency	-120 dBm @ 910 MHz
Insertion Loss Coefficient, typical	0.05
Average Power at Frequency	0.6 kW @ 900 MHz
Cable Impedance	50 ohm
Connector Impedance	50 ohm
dc Test Voltage	2000 V
Inner Contact Resistance, maximum	2 mOhm
Insulation Resistance, minimum	5000 MOhm
Operating Frequency Band	0 – 2000 MHz
Outer Contact Resistance, maximum	0.3 mOhm
Peak Power, maximum	10 kW
RF Operating Voltage, maximum (vrms)	707 V
Shielding Effectiveness	-115 dB

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
Coupling Nut Proof Torque	19.91 N-m 176.254 in lb

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Coupling Nut Retention Force	444.82 N 100 lbf
Coupling Nut Retention Force Method	MIL-C-39012C-3.25, 4.6.22
Insertion Force	66.72 N 15 lbf
Insertion Force Method	MIL-C-39012C-3.12, 4.6.9
Interface Durability	500 cycles
Interface Durability Method	IEC 61169-16:9.5

Environmental Specifications

Attenuation, Ambient Temperature	20 °C 68 °F
Average Power, Ambient Temperature	40 °C 104 °F

Packaging and Weights

Weight, net	153 g 0.337 lb
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* Footnotes

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