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

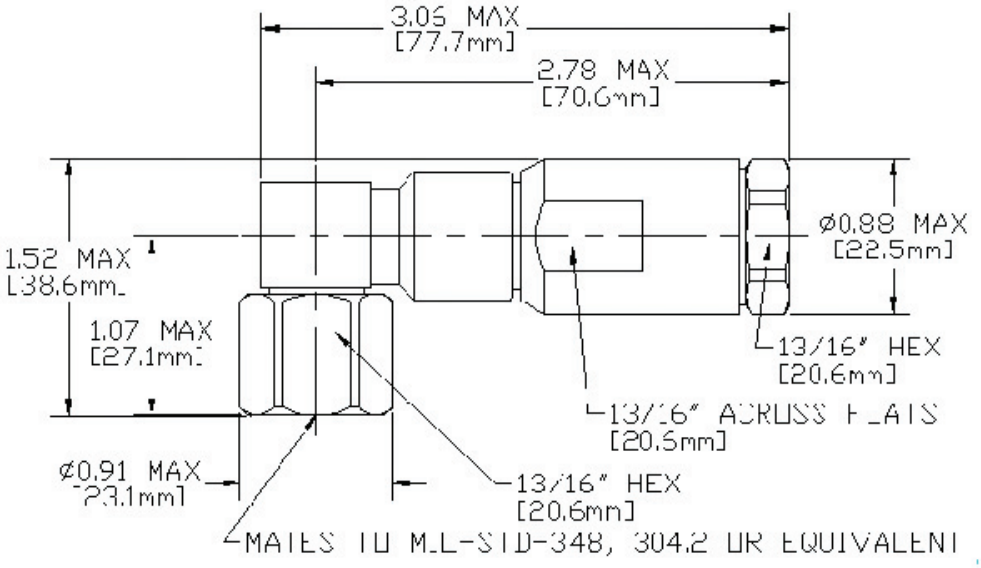
Body Style	Right angle
Cable Family	LDF4-50A
Inner Contact Attachment Method	Captivated
Inner Contact Plating	Silver
Interface	N Male
Mounting Angle	Right angle
Outer Contact Attachment Method	Self-flare
Outer Contact Plating	Silver
Pressurizable	No

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

* Footnotes

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