L4PNF-PM

Type N Female Panel Mount for 1/2 in LDF4-50A cable

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OBSOLETE

This product was discontinued on: December 31, 2010

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Product Classification

Product Type	Wireless and radiating connector
Product Brand	HELIAX®

General Specifications

Body Style	Panel mount
Cable Family	LDF4-50A
Inner Contact Attachment Method	Solder
Inner Contact Plating	Gold
Interface	N Female
Mounting Angle	Straight
Outer Contact Attachment Method	Self-flare
Outer Contact Plating	Silver
Pressurizable	No

Dimensions

Length	66.04 mm | 2.6 in
Diameter	25.4 mm | 1 in
Nominal Size	1/2 in

Outline Drawing

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MATES TO MIL-STD-348, 304.1 OR EQUIVALENT
0.625-24 UNEF-2A THD
13/16" ACROSS FLATS [20.7mm]
1.00 SQ [25.4mm]
Ø0.91 MAX [23.1mm]
Ø0.125 NOM [3.2mm]
Ø0.630 MIN [16.0mm]
13/16" HEX [20.7mm]
0.716 NOM TYP [18.2mm] MTG HOLES
2.67 MAX [67.8mm]
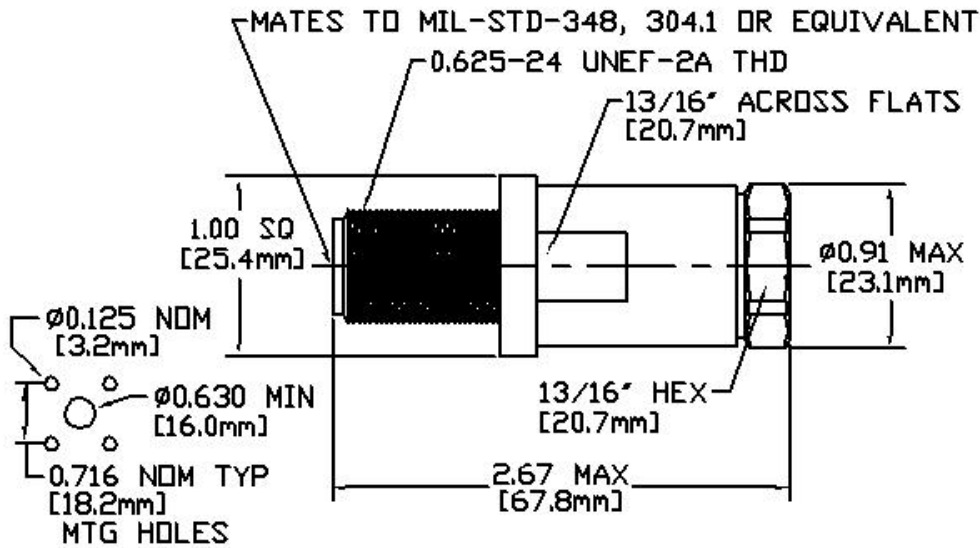
Electrical Specifications

Insertion Loss Coefficient, typical	0.05
Cable Impedance	50 ohm
Connector Impedance	50 ohm
Inner Contact Resistance, maximum	2 mOhm
Operating Frequency Band	0 – 8800 MHz
Outer Contact Resistance, maximum	0.3 mOhm
RF Operating Voltage, maximum (vrms)	707 V

VSWR/Return Loss

Frequency Band	VSWR	Return Loss (dB)
45–880 MHz	1.052	31.92
880–1800 MHz	1.094	26.96
1800–2600 MHz	1.173	21.98
2600–3500 MHz	1.173	21.98
4400–5300 MHz	1.173	21.98
5300–6200 MHz	1.173	21.98
6200–7000 MHz	1.173	21.98
7000–7900 MHz	1.33	17
7900–8800 MHz	1.58	13

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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
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	154 g | 0.34 lb

* Footnotes

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

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