

L5PNF-7570



Type N Female for 7/8 in LDF5-50A cable; Type N Male for 7/8 in LDF5-75 cable

OBSOLETE

This product was discontinued on: December 15, 2008

Product Classification

Product Type	Wireless and radiating connector
Product Brand	HELIAX®

General Specifications

Body Style	Straight
Cable Family	LDF5-75
Inner Contact Attachment Method	Solder
Inner Contact Plating	Silver
Interface	N Female
Mounting Angle	Straight
Outer Contact Attachment Method	Self-flare
Outer Contact Plating	Trimetal
Pressurizable	No

Dimensions

Length	73.66 mm 2.9 in
Diameter	35.56 mm 1.4 in
Nominal Size	7/8 in

Electrical Specifications

Insertion Loss Coefficient, typical	0.05
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Cable Impedance	75 ohm
Connector Impedance	70 ohm
dc Test Voltage	2000 V
Inner Contact Resistance, maximum	1.5 mOhm
Operating Frequency Band	0 – 2000 MHz
Outer Contact Resistance, maximum	1.4 mOhm
Peak Power, maximum	10 kW
RF Operating Voltage, maximum (vrms)	707 V

VSWR/Return Loss

Frequency Band	VSWR	Return Loss (dB)
45–1000 MHz	1.083	27.99
1000–2000 MHz	1.222	20.01

Mechanical Specifications

Attachment Durability	25 cycles
Connector Retention Tensile Force	889.64 N 200 lbf
Connector Retention Torque	8.14 N-m 72.001 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	118 g 0.26 lb
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* Footnotes

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