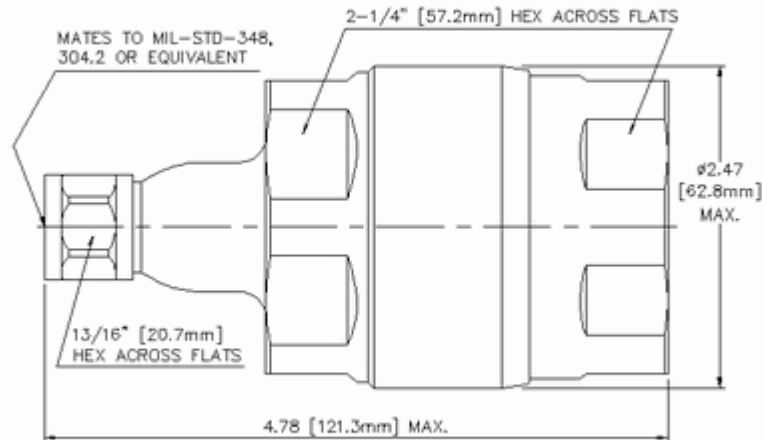


L7PNM-RPC

N Male OnePiece for 1-5/8" LDF7-50A HELIAX®



CHARACTERISTICS

Components

FRONT BODY	Material: Brass
	Exterior finish: Silver Plate
INNER CONTACT	Material: Phosphor Bronze
	Exterior finish: Silver Plate
REAR BODY	Material: Brass
	Exterior finish: Trimetal Plate
BEARING SLEEVE	Material: Brass
	Exterior finish: Trimetal Plate
BALL BEARING	Material: Stainless Steel
Hex Coupling Nut	Material: Brass
	Exterior finish: Trimetal Plate
Spring Retaining Ring	Material: Phosphor Bronze
INSULATOR	Material: Polymethylpentene
O-RING	Material: Silicone Rubber
O-RING	Material: Silicone Rubber
O-RING	Material: Silicone Rubber
O-RING	Material: Silicone Rubber
O-RING	Material: Silicone Rubber
Type N Gasket	Material: Silicone Rubber
PLUG	Material: Silicone Rubber
FOAM SEPARATING TOOL	Material: Nylon
SAW GUIDE	Material: Nylon

Electrical

Customer Support Center:

From North America: 1-800-255-1479
International: +1-708-873-2307

www.andrew.com

This Specification Sheet is for reference only and is subject to change without notice.

Copyright © 2004 Andrew Corporation

02 March 2004

L7PNM-RPC

N Male OnePiece for 1-5/8" LDF7-50A HELIX®

Recommended maximum operating frequency, GHz	2.50	Cable Limited
Peak power, max, kW	10.00	Connector Limited
Average power, max, kW @ 900 MHz	0.60	Connector Limited
dc test maximum voltage	2,000.00	Connector Limited
RF operating voltage, max, VRMS	707.00	Connector Limited
RF high potential, max, VRMS	990.00	Connector Limited
3rd order IM, product typical @ 910 MHz, -dBm (Method)	-120.00	
Connector impedance, ohms	50.00	
Cable impedance, ohms	50.00	
Insertion loss, max, dB	0.05	$\sqrt{\text{frequency(GHz)}}$
Connector Return Loss, dB		
<u>Start</u> <u>Stop</u> <u>Return Loss</u>		
0.04 - 2.20 GHz		36.00

Mechanical

Inner attachment method	Captivated
Outer attachment method	Ball Clamp
Connector weight, g	576.00
Pressurizable	No
Coupling nut retention force, N (lb)	444.82 (100.00)
Method	MIL-C-39012C-3.24, 4.6.21
Minimum coupling nut torque, N-m (lb-in)	4.52 (40.00)
Insertion force, N (lb)	26.69 (6.00)
Method	MIL-C-39012C-3.5, 4.6.2
Minimum connector retention tensile force, N (lb)	2,224.11 (500.00)
Minimum connector retention torque, N-m (lb-in)	13.56 (120.00)
Attachment durability, number of cycles	25
Interface durability, number of cycles	500

Environmental

Moisture resistance test	MIL-STD-202F, Method 106F
Mechanical shock test	MIL-STD-202F, Method 213B, Test Condition C
Corrosion test	MIL-STD-1344A, Method 1001.1, Test Cond. A
Thermal shock test	MIL-STD-202F, Method 107G, Test Cond. A-1, Low Temp-55°C
Vibration test	IEC 68, Part 2-6
Operating temperature range, °C	-55.00°C - 85.00°C
Storage temperature range, °C	-55.00°C - 85.00°C
Immersion test, unmated connectors	IEC 529:1989, IP68
Water jetting test, unmated connectors	IEC 529:1989, IP66

Customer Support Center:

From North America: 1-800-255-1479
 International: +1-708-873-2307

www.andrew.com

This Specification Sheet is for reference only and is subject to change without notice.
 Copyright © 2004 Andrew Corporation
 02 March 2004