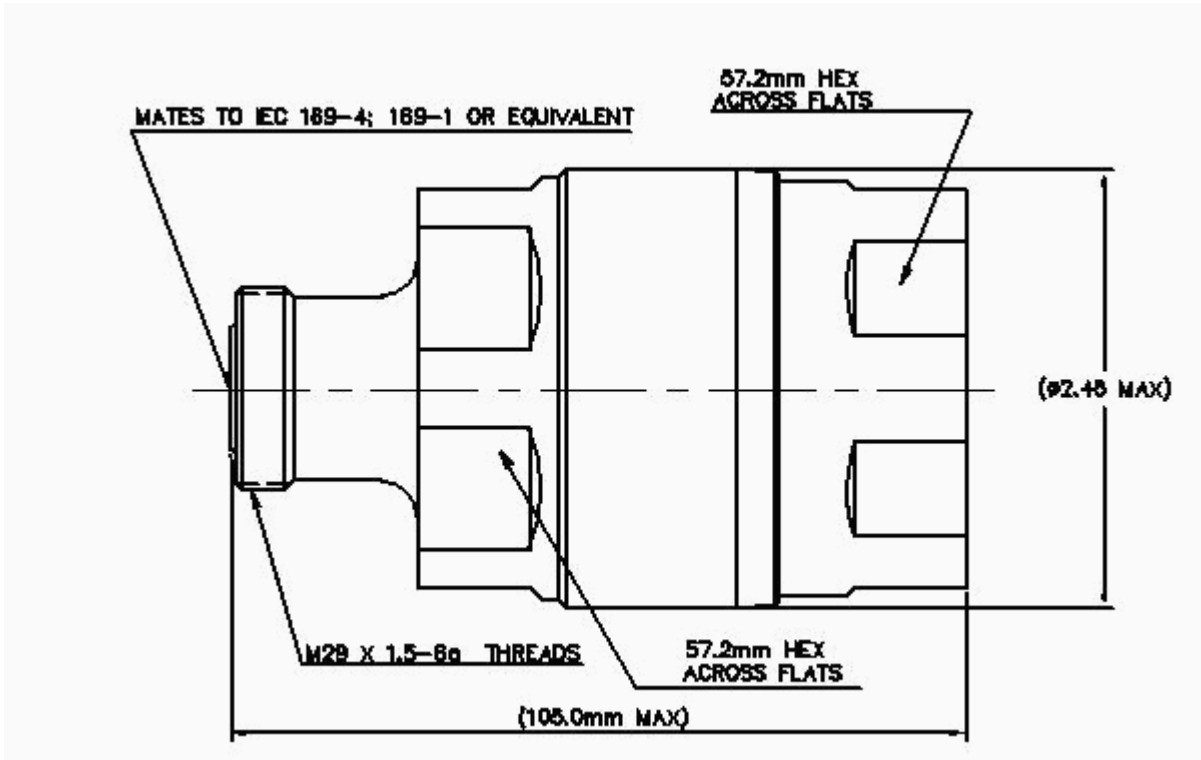


L7PDF-RPC-4

7/16 DIN Female OnePiece for HELIAX LDF7-50A



CHARACTERISTICS

Electrical

Recommended maximum operating frequency, GHz	2.50	Cable Limited
Peak power, max, kW	40.00	Connector Limited
Average power, max, kW @ 900 MHz	3.00	Connector Limited
dc test maximum voltage	4,000.00	Connector Limited
RF operating voltage, max, VRMS	1,415.00	Connector Limited
RF high potential, max, VRMS	1,980.00	Connector Limited
Inner contact resistance, milliohms (Outer)	0.80 (1.50)	
3rd order IM, product typical @ 910 MHz, -dBm (Method)	-120.00	
Insulation resistance, min, Megaohms	5,000.00	Connector Limited
Connector impedance, ohms	50.00	
Cable impedance, ohms	50.00	
Insertion loss, max, dB	0.05 $\sqrt{\text{frequency(GHz)}}$	
Connector Return Loss, dB		
Start	0.04	
Stop	2.20 GHz	
Return Loss	36.00	

Mechanical

Inner attachment method	Captivated
Outer attachment method	Ball Clamp
Connector weight, g	680.00

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 © 2005 Andrew Corporation
 07 July 2005

L7PDF-RPC-4

7/16 DIN Female OnePiece for HELIX LDF7-50A

Pressurizable	No
Insertion force, N (lb)	100.00 (22.48)
Minimum connector retention tensile force, N (lb)	2,225.00 (500.20)
Minimum connector retention torque, N-m (lb-in)	13.60 (120.37)
Attachment durability, number of cycles	25
Interface durability, number of cycles	50

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
Immersion depth, m	1.00
Water jetting test, unmated connectors	IEC 529:1989, IP66

Components

L7PDF-RPC-4 Front Body (Trimetal Plate)	Material: Brass
	Exterior finish: Trimetal Plate
Inner Contact	Material: Phosphor Bronze
	Exterior finish: Silver Plate
Insulator	Material: Polymethylpentene
Rear Body	Material: Brass
	Exterior finish: Trimetal Plate
Bearing Sleeve	Material: Brass
	Exterior finish: Trimetal Plate
Ball Bearing	Material: Stainless Steel
O-Ring	Material: Silicone Rubber
O-Ring	Material: Silicone Rubber
O-Ring	Material: Silicone Rubber
O-Ring	Material: Silicone Rubber
Plug	Material: Silicone Rubber

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 © 2005 Andrew Corporation
 07 July 2005