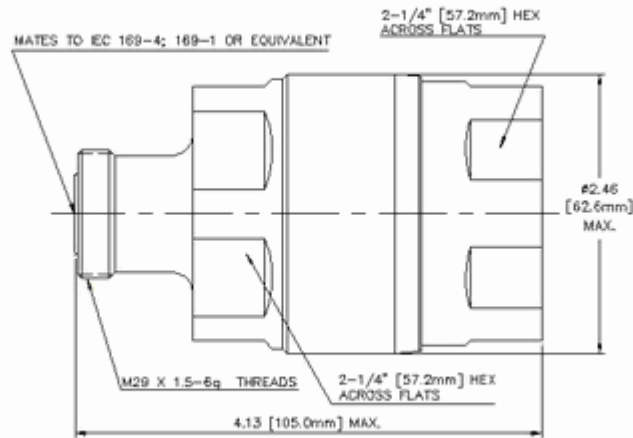


L7PDF-RPC

7-16 DIN Female OnePiece for 1-5/8" LDF7-50A HELIAX



CHARACTERISTICS

Components

FRONT BODY	Material: Brass	Exterior finish: Silver Plate
CENTER 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	
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	
PLUG	Material: Silicone Rubber	
SAW GUIDE	Material: Nylon	
FOAM SEPARATING TOOL	Material: Nylon	

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

Customer Support Center:

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

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L7PDF-RPC

7-16 DIN Female OnePiece for 1-5/8" LDF7-50A HELIAX

RF operating voltage, max, VRMS	1,415.00	Connector Limited
RF high potential, max, VRMS	1,980.00	Connector Limited
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	<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	680.40
Pressurizable	No
Insertion force, N (lb)	100.09 (22.50)
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	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	0.31
Water jetting test, unmated connectors	IEC 529:1989, IP66

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