L1PNF-BH



Type N Female Bulkhead for 1/4 in LDF1-50 cable

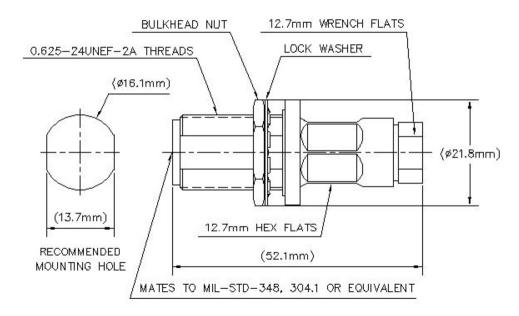
Product Type	Type Wireless and radiating connector	
Product Brand	HELIAX®	
Product Series	LDF1-50	
General Specifications		
Body Style	Straight	
Cable Family	LDF1-50	
Inner Contact Attachment Method	Solder	
Inner Contact Plating	Gold	
Interface	N Female	
Mounting Angle	Straight	
Outer Contact Attachment Method	Self-flare	
Outer Contact Plating	Silver	
Pressurizable	No	
Dimensions		
Length	52.07 mm 2.05 in	
Diameter	15.75 mm 0.62 in	
Nominal Size	1/4 in	

Outline Drawing

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Electrical Specifications

3rd Order IMD at Frequency	-112 dBm @ 910 MHz	
3rd Order IMD Test Method	Two +43 dBm carriers	
Average Power at Frequency	0.6 kW @ 900 MHz	
Cable Impedance	50 ohm	
Connector Impedance	50 ohm	
dc Test Voltage	2200 V	
Inner Contact Resistance, maximum	1 m0hm	
Insulation Resistance, minimum	5000 MOhm	
Operating Frequency Band	0 – 6000 MHz	
Outer Contact Resistance, maximum	0.25 mOhm	
Peak Power, maximum	10 kW	
RF Operating Voltage, maximum (vrms)	707 V	
Shielding Effectiveness	-110 dB	

Mechanical Specifications

Connector Retention Tensile Force	449.27 N 101 lbf
Coupling Nut Proof Torque	1.7 N-m 15.046 in lb
Coupling Nut Proof Torque Method	IEC 61169-16:9.3.11

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Coupling Nut Retention Force	445 N 100.04 lbf
Coupling Nut Retention Force Method	IEC 61169-16:9.3.11
Insertion Force	124.55 N 28 lbf
Insertion Force Method	IEC 61169-16:9.3.5
Interface Durability	500 cycles
Interface Durability Method	IEC 61169-4:17
Mechanical Shock Test Method	IEC 60068-2-27

Environmental Specifications

Operating Temperature	-55 °C to +85 °C (-67 °F to +185 °F)
Storage Temperature	-65 °C to +125 °C (-85 °F to +257 °F)
Attenuation, Ambient Temperature	20 °C 68 °F
Average Power, Ambient Temperature	40 °C 104 °F
Average Power, Inner Conductor Temperature	100 °C 212 °F
Corrosion Test Method	IEC 60068-2-11
Immersion Depth	1 m
Immersion Test Mating	Mated
Immersion Test Method	IEC 60529:2001, IP68
Moisture Resistance Test Method	IEC 60068-2-3
Thermal Shock Test Method	IEC 60068-2-14
Vibration Test Method	IEC 60068-2-6

Packaging and Weights

Weight, net

89 g | 0.196 lb

Regulatory Compliance/Certifications

Agency	Classification
CHINA-ROHS	Below maximum concentration value
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
REACH-SVHC	Compliant as per SVHC revision on www.commscope.com/ProductCompliance
ROHS	Compliant
UK-ROHS	Compliant



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* Footnotes

Immersion Depth

Immersion at specified depth for 24 hours

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