



L42P
UHF Male for 3/8 in LDF2-50 cable

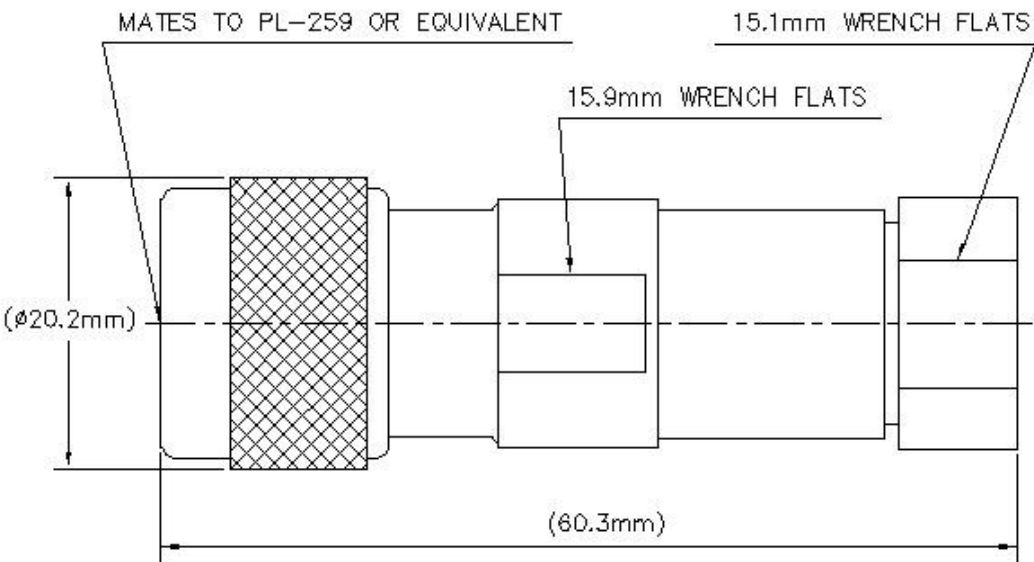
General Specifications

Interface	UHF Male
Body Style	Straight
Brand	HELIAX®
Mounting Angle	Straight

Electrical Specifications

Connector Impedance	50 ohm
Operating Frequency Band	0 – 6000 MHz
Cable Impedance	50 ohm
3rd Order IMD, typical	-112 dBm @ 910 MHz
3rd Order IMD Test Method	Two +43 dBm carriers
dc Test Voltage	1500 V
Outer Contact Resistance, maximum	5.00 mOhm
Inner Contact Resistance, maximum	5.00 mOhm
Insulation Resistance, minimum	5000 MOhm
Average Power	0.7 kW @ 900 MHz
Shielding Effectiveness	-110 dB

Outline Drawing



Mechanical Specifications

Outer Contact Attachment Method	Self-flare
Inner Contact Attachment Method	Solder
Outer Contact Plating	Copper alloy treatment
Interface Durability	500 cycles
Interface Durability Method	IEC 61169-4:17
Connector Retention Tensile Force	670 N 151 lbf
Connector Retention Torque	2.70 N-m 1.99 ft lb
Pressurizable	No
Coupling Nut Retention Force Method	IEC 61169-16:9.3.11

Dimensions

Nominal Size	3/8 in
Diameter	21.27 mm 0.84 in
Length	60.33 mm 2.38 in
Weight	70.12 g 0.15 lb

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)
Immersion Depth	1 m

L42P

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Immersion Test Mating	Mated
Immersion Test Method	IEC 60529:2001, IP68
Moisture Resistance Test Method	IEC 60068-2-3
Mechanical Shock Test Method	IEC 60068-2-27
Thermal Shock Test Method	IEC 60068-2-14
Vibration Test Method	IEC 60068-2-6
Corrosion Test Method	IEC 60068-2-11

Standard Conditions

Attenuation, Ambient Temperature	20 °C 68 °F
Average Power, Ambient Temperature	40 °C 104 °F
Average Power, Inner Conductor Temperature	100 °C 212 °F

Return Loss/VSWR

Frequency Band	VSWR	Return Loss (dB)
45–400 MHz	1.17	22.00
400–800 MHz	1.33	17.00
800–1200 MHz	1.43	15.00
1200–1600 MHz	1.5	14.00
1600–2000 MHz	1.67	12.00

Regulatory Compliance/Certifications

Agency	Classification
RoHS 2011/65/EU	Compliant by Exemption
China RoHS SJ/T 11364-2006	Above Maximum Concentration Value (MCV)
ISO 9001:2008	Designed, manufactured and/or distributed under this quality management system



* Footnotes

Immersion Depth	Immersion at specified depth for 24 hours
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