

Product Specifications



L42EWT

TNC Male for 3/8 in LDF2-50 cable

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CHARACTERISTICS

General Specifications

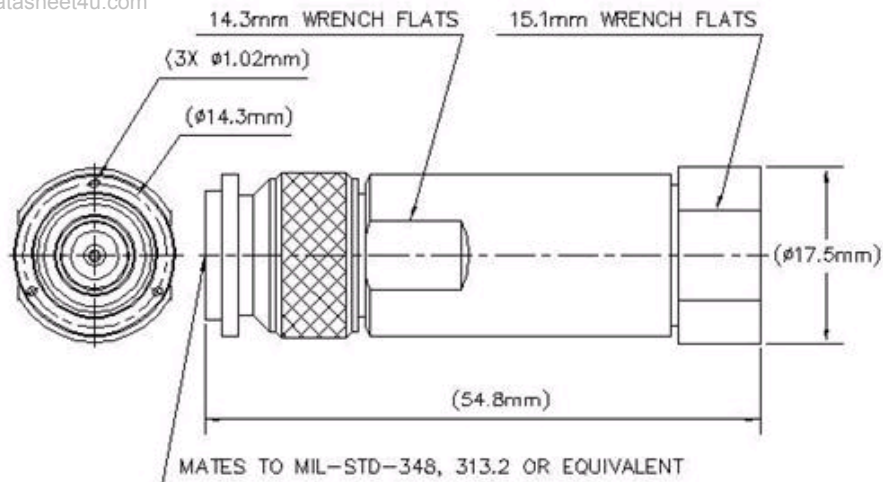
Interface	TNC Male
Body Style	Straight
Brand	HELIAX®
Mounting Angle	Straight

Electrical Specifications

Connector Impedance	50 ohm
Operating Frequency Band	0 – 12000 MHz
Cable Impedance	50 ohm
3rd Order IMD	-112 dBm @ 910 MHz
3rd Order IMD Test Method	Two +43 dBm Carriers
RF Operating Voltage, maximum (vrms)	500.00 V
dc Test Voltage	1500 V
Outer Contact Resistance	0.40 mOhm
Inner Contact Resistance	1.50 mOhm
Insulation Resistance, minimum	5000 MOhm
Average Power	0.7 kW @ 900 MHz
Peak Power, maximum	5.00 kW
Shielding Effectiveness	-110 dB

Outline Drawing

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Mechanical Specifications

Outer Contact Attachment Method	Self-flare
Inner Contact Attachment Method	Solder
Outer Contact Plating	Trimetal
Inner Contact Plating	Gold
Interface Durability	500 cycles
Interface Durability Method	IEC 169-4:17
Connector Retention Tensile Force	670 N 151 lbf
Connector Retention Torque	2.70 N-m 1.99 ft lb
Insertion Force	66.72 N 15.00 lbf
Insertion Force Method	IEC 169-16:9.3.5
Pressurizable	No
Coupling Nut Proof Torque	1.70 N-m 1.25 ft lb
Coupling Nut Proof Torque Method	IEC 169-16:9.3.11
Coupling Nut Retention Force	445.00 N 100.04 lbf
Coupling Nut Retention Force Method	IEC 169-16:9.3.11

Dimensions

Nominal Size	3/8 in
Diameter	16.67 mm 0.66 in
Length	55.57 mm 2.19 in
Weight	73.00 g 0.16 lb

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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
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

Frequency Band	VSWR	Return Loss (dB)
45–5200 MHz	1.07	30.00
5200–6500 MHz	1.17	22.00
6500–13000 MHz	1.2	21.00

Regulatory Compliance/Certifications

Agency	Classification
RoHS 2002/95/EC	Compliant by Exemption
China RoHS SJ/T 11364-2006	Above Maximum Concentration Value (MCV)



* Footnotes

Immersion Depth	Immersion at specified depth for 24 hours
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