

Product Specifications



L4TDM-PS

7-16 DIN Male Positive Stop™ for 1/2 in LDF4-50A cable

CHARACTERISTICS

General Specifications

Interface	7-16 DIN Male
Body Style	Straight
Mounting Angle	Straight

Electrical Specifications

Operating Frequency Band	0 – 8800 MHz
3rd Order IMD Test Method	Two +43 dBm Carriers
Average Power	1.1 kW @ 900 MHz
Cable Impedance	50 ohm
Connector Impedance	50 ohm
dc Test Voltage	4000 V
Inner Contact Resistance	1.70 mOhm
Insulation Resistance, minimum	5000 MOhm
Outer Contact Resistance	2.10 mOhm
Peak Power, maximum	40.00 kW
RF Operating Voltage, maximum (vrms)	1415.00 V
Shielding Effectiveness	-110 dB
3rd Order IMD	-116 dBm @ 910 MHz

Mechanical Specifications

Outer Contact Attachment Method	RingFlare™
Attachment Durability	25 cycles
Connector Retention Tensile Force	200 lbf 890 N
Connector Retention Torque	48 in lb 5 N·m
Coupling Nut Proof Torque	221.27 in lb 25.00 N·m
Coupling Nut Retention Force	224.81 lbf 1000.00 N
Coupling Nut Retention Force Method	MIL-C-39012C-3.25, 4.6.22
Inner Contact Attachment Method	Captivated
Insertion Force	45.00 lbf 200.17 N
Insertion Force Method	IEC 169-1:15.2.4
Interface Durability	500 cycles
Interface Durability Method	IEC 169-4:9.5
Pressurizable	No

Dimensions

Nominal Size	1/2 in
Diameter, maximum	1.42 in 35.99 mm
Length	2.68 in 68.00 mm
Weight	175.00 g 0.39 lb

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Environmental Specifications

Corrosion Test Method	MIL-STD-1344A, Method 1001.1, Test Condition A
Immersion Depth	1 m
Immersion Test Mating	Unmated
Immersion Test Method	IEC 529:1989, IP68
Mechanical Shock Test Method	MIL-STD-202, Method 213, Test Condition I
Moisture Resistance Test Method	MIL-STD-202F, Method 106F
Operating Temperature	-55 °C to +85 °C (-67 °F to +185 °F)
Storage Temperature	-55 °C to +85 °C (-67 °F to +185 °F)
Thermal Shock Test Method	MIL-STD-202F, Method 107G, Test Condition A-1, Low Temperature -55 °C
Vibration Test Method	IEC 68, Part 2-6
Water Jetting Test Mating	Unmated
Water Jetting Test Method	IEC 529:1989, IP66

Standard Conditions

Attenuation, Ambient Temperature	20 °C 68 °F
Average Power, Ambient Temperature	40 °C 104 °F

Return Loss

Frequency Band	Return Loss (dB)
45–1000 MHz	39.00
1010–2200 MHz	37.00
2200–3000 MHz	33.00
3010–4000 MHz	29.00
4010–6000 MHz	26.00
6010–8000 MHz	23.00

* Footnotes

Immersion Depth	Immersion at specified depth for 24 hours
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