

Product Specifications



L6TDF-PS

7-16 DIN Female Positive Stop™ for 1-1/4 in LDF6-50 cable

CHARACTERISTICS

General Specifications

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

Electrical Specifications

Operating Frequency Band	0 – 3300 MHz
3rd Order IMD Test Method	Two +43 dBm Carriers
Average Power	3.0 kW @ 900 MHz
Cable Impedance	50 ohm
Connector Impedance	50 ohm
dc Test Voltage	4000 V
Inner Contact Resistance	1.60 mOhm
Insulation Resistance, minimum	5000 MOhm
Outer Contact Resistance	1.50 mOhm
Peak Power, maximum	40.00 kW
RF Operating Voltage, maximum (vrms)	1415.00 V
Shielding Effectiveness	-130 dB
3rd Order IMD	-116 dBm @ 910 MHz

Mechanical Specifications

Outer Contact Attachment Method	RingFlare™
Attachment Durability	25 cycles
Connector Retention Tensile Force	400 lbf 1779 N
Connector Retention Torque	96 in lb 11 N-m
Inner Contact Attachment Method	Captivated
Insertion Force	45.00 lbf 200.17 N
Insertion Force Method	IEC 169-1:15.2.4
Interface Durability	50 cycles
Interface Durability Method	IEC 169-16:9.5
Pressurizable	No

Dimensions

Nominal Size	1-1/4 in
Diameter, maximum	2.02 in 51.21 mm
Length	3.50 in 89.00 mm
Weight	650.00 g 1.43 lb

Environmental Specifications

Corrosion Test Method	MIL-STD-1344A, Method 1001.1, Test Condition A
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Product Specifications



Immersion Depth	1 m
Immersion Test Mating	Unmated
Immersion Test Method	IEC 529:1989, IP68
Mechanical Shock Test Method	MIL-STD-202F, Method 213B, Test Condition C
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	MIL-STD-202F, Method 204D, Test Condition B
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
2210–3300 MHz	32.00

* Footnotes

Immersion Depth	Immersion at specified depth for 24 hours
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