

Product Specifications



L45R

7/8 in EIA Flange for 7/8 in LDF5-50A cable



CHARACTERISTICS

General Specifications

Interface	7/8 in EIA Flange
Body Style	Straight
Mounting Angle	Straight

Electrical Specifications

Operating Frequency Band	0 – 5000 MHz
Average Power	2.3 kW @ 900 MHz
Cable Impedance	50 ohm
Connector Impedance	50 ohm
dc Test Voltage	6000 V
Inner Contact Resistance	1.50 mOhm
Insulation Resistance, minimum	5000 MOhm
Outer Contact Resistance	1.50 mOhm
Peak Power, maximum	90.00 kW
RF Operating Voltage, maximum (vrms)	2120.00 V
Shielding Effectiveness	-110 dB

Mechanical Specifications

Outer Contact Attachment Method	Selfflare
Attachment Durability	25 cycles
Connector Retention Tensile Force	200 lbf 890 N
Connector Retention Torque	72 in lb 8 N·m
Coupling Nut Proof Torque	220.00 in lb 24.86 N·m
Inner Contact Attachment Method	Selftapping
Interface Durability	50 cycles
Pressurizable	No

Dimensions

Nominal Size	7/8 in
Diameter, maximum	2.30 in 58.42 mm
Length	3.30 in 83.82 mm
Weight	352.00 g 0.78 lb

Product Specifications



Environmental Specifications

Corrosion Test Method	MIL-STD-1344A, Method 1001.1, Test Condition A
Immersion Depth	1 m
Immersion Test Mating	Mated
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-202, Method 106
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-202, Method 204, Test Condition B
Water Jetting Test Mating	Mated
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	35.00
1010–2200 MHz	29.00
2210–4000 MHz	23.00
4010–5000 MHz	20.00

* Footnotes

Immersion Depth	Immersion at specified depth for 24 hours
-----------------	---