



Type N F/F In/Out Bulkhead RF Coaxial Surge Protector
1.8GHz - 6GHz DC Block 10W IP67 18kA Filter

RF Surge Protectors Technical Data Sheet

LCSP1050

Features

- Surge current up to 18kA
- Max Power 10W
- Frequency range from 1.8 GHz to 3.8 GHz and 4.2 GHz to 6 GHz
- N-type female connectors
- Waterproof IP67 rated
- DC Block
- VSWR <1.3:1
- Multi-strike capability
- CE & RoHS compliant

Applications

- WiFi
- Cellular communication systems

Description

RF surge protector (also known as lightning arrester) LCSP1050 from L-COM utilizing a patented DC shorted filter design enables an almost instantaneous response to a lightning surge to protect critical hardware while maintaining the RF performance. This RF surge protector component is manufactured in a coaxial in-line design with wide operating frequency range. All L-COM RF surge protector products are available in stock with same day shipping.

Electrical Specifications

Surge Protector Type: DC Handling
Surge Filter: DC Block

Description	Minimum	Typical	Maximum	Units
Frequency Range	1.8		6	GHz
Impedance		50		Ohms
VSWR		1.2:1	1.3:1	
Return Loss		20		dB
Insertion Loss		0.1	0.2	dB
Input Power, CW			10	Watts
Surge Current IEC 61000-4-5 8/20µs WAVEFORM			18	kAmps
Throughput Energy FOR 3kA @8/20µs WAVEFORM			0.5	µJ

Mechanical Specifications

Configuration

Input Connector: N Female
Output Connector: N Female

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Type N F/F In/Out Bulkhead RF Coaxial Surge Protector 1.8GHz - 6GHz DC Block 10W IP67 18kA Filter LCSP1050](#)



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Environmental Specifications

Temperature

Operating Range

-40 to 85 deg C

Ingress Protection (IP) Rating

IP 67

Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

Our portfolio includes cable assemblies, connectors, adapters and custom products, as well as their wireless product line which includes antennas, RF amplifiers, coaxial lightning and surge protectors, and NEMA rated enclosures.

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URL:

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