



Type N F/M In/Out Bulkhead RF Coaxial Surge Protector
698MHz - 2.7GHz DC Block 500W IP67 40kA Filter BiDirect

RF Surge Protectors Technical Data Sheet

LCSP1001

Features

- Surge current of 40kA
- Max Power 500W
- Frequency range from 698 MHz to 2.7 GHz
- Waterproof IP67 rated
- N-type female connector to N-type male connector
- DC Block
- VSWR <1.1:1
- Low insertion loss
- CE & RoHS compliant
- Bi-Directional

Applications

- Cellular communication systems
- Public safety systems
- Emergency response systems
- Industrial

Description

RF surge protector (also known as lightning arrester) LCSP1001 from L-COM utilizing a patented spiral inductor 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	0.698		2.7	GHz
Impedance		50		Ohms
VSWR			1.1:1	
Return Loss			26	dB
Insertion Loss			0.1	dB
Input Power, CW			500	Watts
500W @ 920MHz				
750W @ 50°C				
Surge Current			40	kAmps
IEC 61000-4-5 8/20µs WAVEFORM				
Throughput Energy			0.01	µJ
FOR 3kA @ 8/20µs WAVEFORM				

Mechanical Specifications

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/M In/Out Bulkhead RF Coaxial Surge Protector 698MHz - 2.7GHz DC Block 500W IP67 40kA Filter BiDirect LCSP1001](#)



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Configuration

Input Connector	N Female
Output Connector	N Male

Environmental Specifications

Temperature

Operating Range	-50 to 85 deg C
Ingress Protection (IP) Rating	IP 67
Vibration	1G @ 5Hz to 100Hz

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:

The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. L-com reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. L-com does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and L-com does not assume any liability arising out of the use of any part or documentation.

LCSP1001 CAD Drawing

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