



## UHF F/F In/Out RF Coaxial Surge Protector 1.5MHz - 700MHz DC Block 2kW 50kA Blocking Cap and Gas Tube

### RF Surge Protectors Technical Data Sheet

**LCSP1026**

#### Features

- Surge current of 50kA
- Max Power 2kW
- Frequency range from 1.5 MHz to 700 MHz
- UHF Female to UHF Female connectors
- VSWR 1.2:1
- Multi-strike capability
- CE & RoHS compliant

#### Applications

- HF, UHF and VHF radios
- Ham radios
- Remote industrial monitoring

#### Description

RF surge protector (also known as lightning arrester) LCSP1026 from L-COM utilizing a proprietary surge protection technology protects critical hardware from lightening events while maintaining the RF performance. This RF surge protector component is manufactured in a coaxial in-line design with wide operating frequency range. Optional weather proofing kit and copper cleaning kit are available for purchase separately. All L-COM RF surge protector products are available in stock with same day shipping.

#### Electrical Specifications

Surge Protector Type  
DC Handling

Blocking Cap and Gas Tube  
DC Block

Description	Minimum	Typical	Maximum	Units
Frequency Range	1.5		700	MHz
Impedance		50		Ohms
VSWR			1.2:1	
Return Loss			22	dB
Insertion Loss			0.1	dB
Input Power, CW			2	kWatts
2kW @ 1.5 to 50MHz				
375W @ 50 to 220MHz				
125W @ 220 to 700MHz				
Surge Current			50	kAmps
IEC 61000-4-5 8/20µs WAVEFORM				
Turn On Voltage		600 ±20 %		Volts
Throughput Energy			10,000	µJ
@ 3kA 8/20µs waveform				

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [UHF F/F In/Out RF Coaxial Surge Protector 1.5MHz - 700MHz DC Block 2kW 50kA Blocking Cap and Gas Tube LCSP1026](#)



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#### Mechanical Specifications

##### Configuration

Input Connector  
Output Connector

UHF Female  
UHF Female

#### Environmental Specifications

##### Temperature

Operating Range  
Storage Range

-50 to 50 deg C  
-55 to +85 deg C

**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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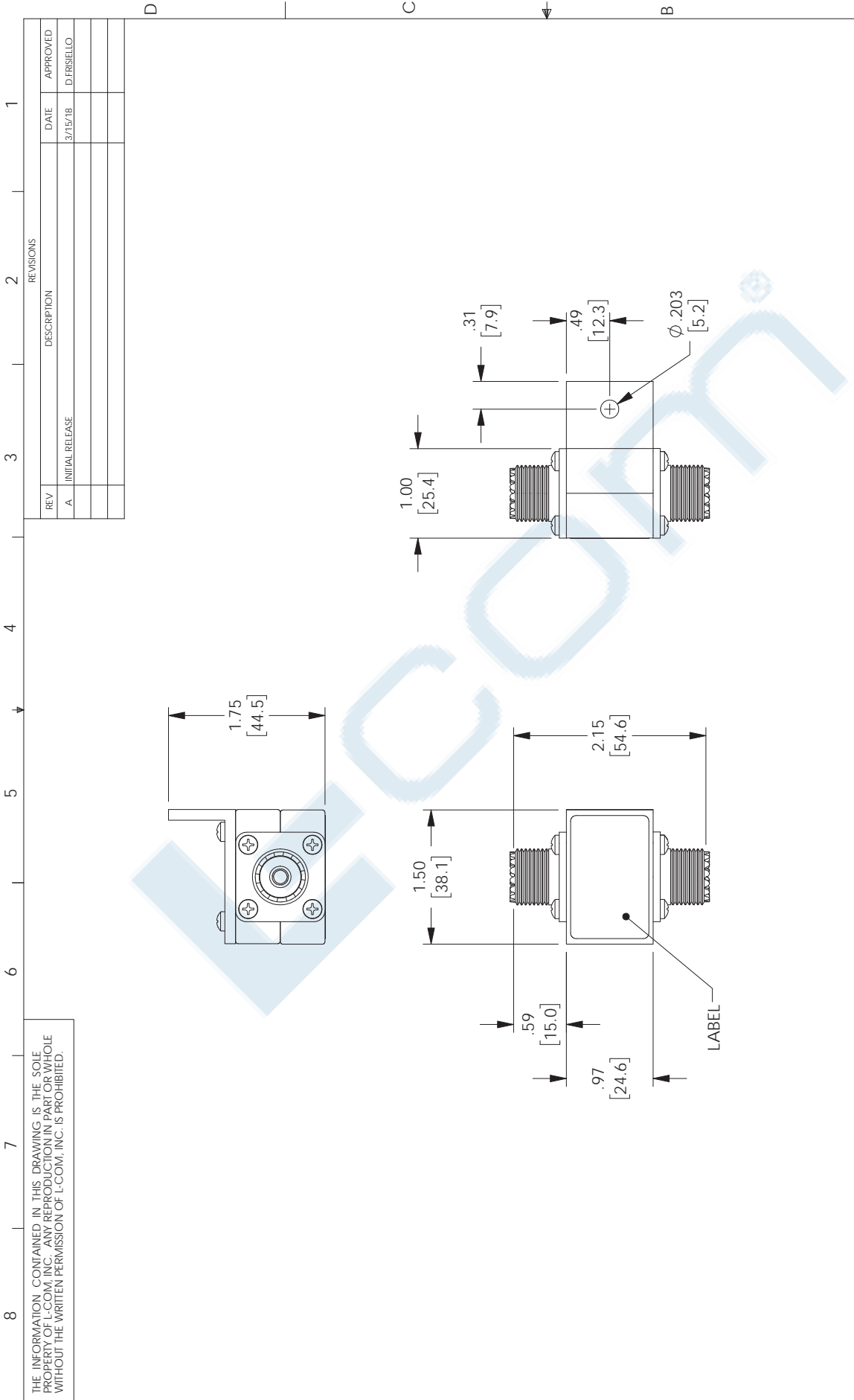
URL:

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.

# LCSP1026 CAD Drawing

## UHF F/F In/Out RF Coaxial Surge Protector 1.5MHz - 700MHz

### DC Block 2kW 50kA Blocking Cap and Gas Tube



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REVISIONS		
REV	DESCRIPTION	DATE
A	INITIAL RELEASE	3/15/18

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES (mm) OVERALL CABLE LENGTH TOLERANCE: ≤12 (305) = +1 (25) / -0 >12 (305) ≤60 (1524) = +2 (51) / -0 >60 (1524) ≤120 (3048) = +4 (102) / -0 >120 (3048) ≤762 (19251) = +8 (203) / -0 >762 (19251) ≤300 (7620) = -5% / -0% ALL OTHER DIMENSIONAL TOLERANCES: XX = ±.005 (127) X = ±.01 (254) XXX = ±.005 (127)	APPROVALS DRAWN BY: D. FRISIELLO CHECKED BY: M. MARINEZ APPROVED BY: M. MARINEZ	DATE 3/15/18 3/15/18 3/15/18	L-com Global Connectivity 50 HIGH STREET NORTH ANDOVER, MA 01845
	RF LIGHTNING PROTECTORS BROADBAND 1.5-700MHz R50	CATEGORY RF LIGHTNING PROTECTORS	PRODUCT DESCRIPTION BROADBAND 1.5-700MHz R50
PROJECTION 	COLOR VARIATIONS MAY OCCUR	SIZE A	DWG. NO. LCSP1026
REV. A	SCALE: NONE	[CAD FILE: LCSP1026.SLDDRW]	SHEET 1 OF 1

- NOTES:**
- HARDWARE INCLUDED.
  - COMPONENT SHALL BE INDIVIDUALLY PACKAGED IN ACCORDANCE WITH L-COM SPECIFICATION PS-0031.
- REGULATORY COMPLIANCE:**  
 CE2011/65/EU (RoHS DIRECTIVE)