



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

RF Surge Protectors Technical Data Sheet

LCSP1032

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) LCSP1032 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			21	dB
Insertion Loss			0.1	dB
Input Power, CW			2	kWatts
2kW @ HF Band				
375W @ VHF Band				
125W @ UHF Band				
Surge Current			50	kAmps
IEC 61000-4-5 8/20μs WAVEFORM				
Turn On Voltage		600 ±20 %		Volts
Throughput Energy			10,000	μJ

Mechanical Specifications

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 Bulkhead RF Coaxial Surge Protector 1.5MHz - 700MHz DC Block 2kW 50kA Blocking Cap and Gas Tube LCSP1032](#)



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Configuration

Input Connector

UHF Female

Output Connector

UHF Female

Environmental Specifications

Temperature

Operating Range

-45 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.

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 Bulkhead RF Coaxial Surge Protector 1.5MHz - 700MHz DC Block 2kW 50kA Blocking Cap and Gas Tube LCSP1032](#)

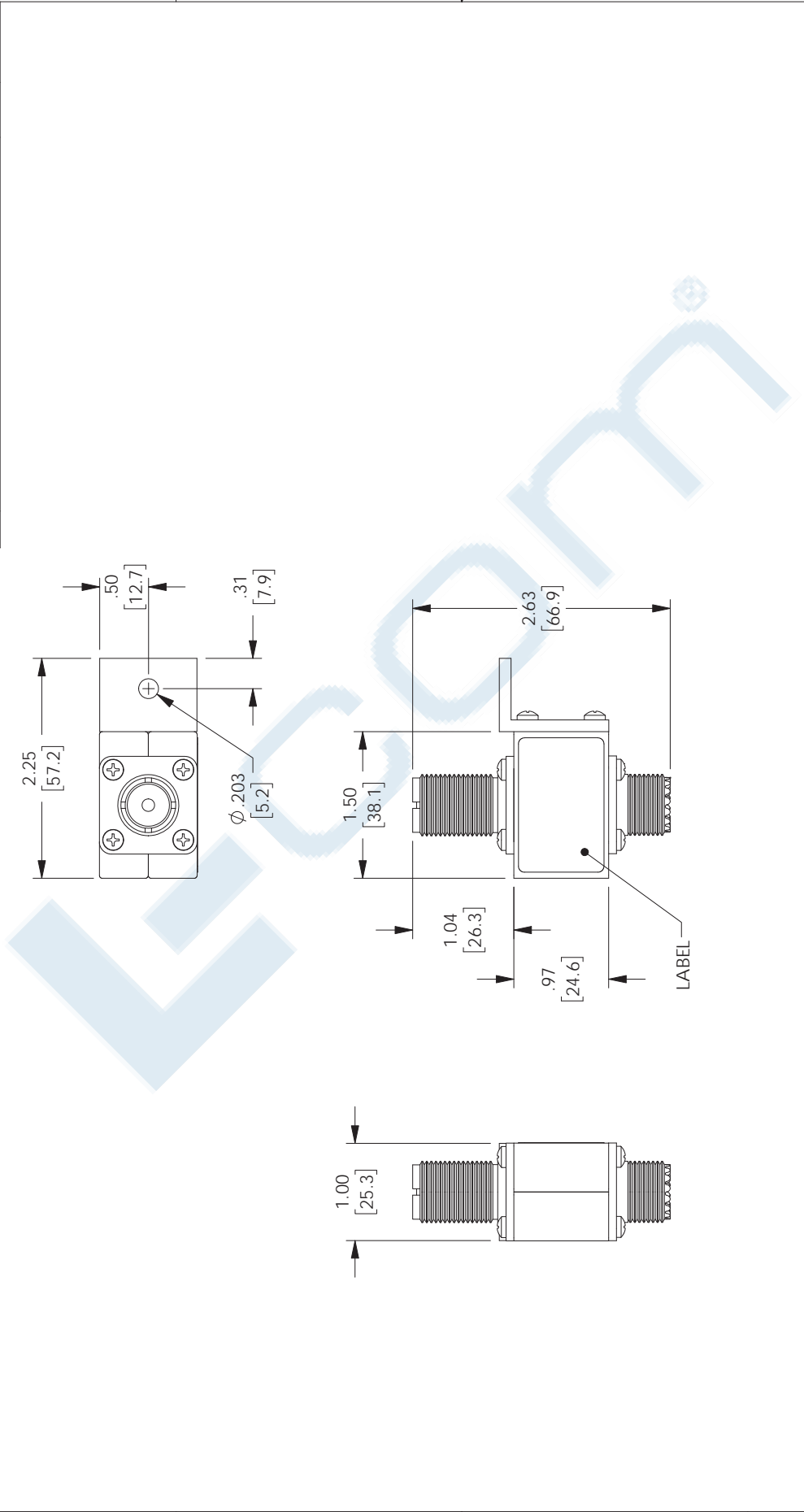
URL:


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.

LCSP1032 CAD Drawing

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

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	3/15/18	D FRISIELLO



UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES (mm)	APPROVALS		DATE		50 HIGH STREET NORTH ANDOVER, MA 01845					
	DRAWN BY		3/15/18		Global Connectivity					
	D FRISIELLO		3/15/18							
	CHECKED BY		3/15/18							
	M MARTINEZ		3/15/18							
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] ≤300 [7620] = +6 [152] / -0 ≤300 [7620] = +5% / -0%	M MARTINEZ		3/15/18		CATEGORY					
ALL OTHER DIMENSIONAL TOLERANCES: X = ± .01 [0.25] XX = ± .005 [0.127] XXX = ± .001 [0.025]	CONFIGURATION DETAILS OF UNDIMENSIONED FEATURES MAY VARY		PRODUCT DESCRIPTION		RF LIGHTNING PROTECTORS					
PROJECTION	COLOR VARIATIONS MAY OCCUR		SIZE A		FSC# NO. 43321		DWG. NO. LCSP1032		REV. A	
	SCALE: NONE		CAD FILE: LCSP1032.SLDDRW		SHEET 1 OF 1					

LCOM Global Connectivity		50 HIGH STREET NORTH ANDOVER, MA 01845	
CATEGORY		RF LIGHTNING PROTECTORS	
PRODUCT DESCRIPTION		BROADBAND 1.5-700MHz R50	
SIZE		A	
FSCM NO		43321	
DWG. NO.		LCSP1032	
REV.		A	

NOTES:

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