

Type N/SMA F/F Bulkhead Coaxial RF Surge Protector,  
2GHz - 6GHz, DC Block, 10W, IP67, .5uJ, 10kA, Filter



## LSXM-NS

### Features

- Surge current of 10kA
- Max Power 10W
- Frequency range from 2 to 6 GHz
- Waterproof IP67 rated
- N Female to SMA Female connectors
- DC Block
- VSWR <1.3
- Low insertion loss
- CE & RoHS compliant
- Directional

### Applications

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

### Description

RF surge protector (also known as lightning arrester) LSXL-ME from PolyPhaser 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 PolyPhaser 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	2		6	GHz
Impedance		50		Ohms
VSWR		1.2:1	1.3:1	
Insertion Loss		0.1	0.2	dB
Input Power, CW			10	Watts
Surge Current IEC 61000-4-5 8/20μs waveform 500J			10	kA
Throughput Energy for 3kA @ 8/20μs waveform			500	nJ

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications:  
[Type N/SMA F/F Bulkhead Coaxial RF Surge Protector, 2GHz - 6GHz, DC Block, 10W, IP67, .5uJ, 10kA, Filter LSXM-NS](#)

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### Mechanical Specifications

#### Size

Length	2.78 in [70.61 mm]
Width/Diameter	0.73 in [18.54 mm]
Weight	1 lbs [453.59 g]

#### Configuration

Input Connector	N Female
Output Connector	SMA Female

### Environmental Specifications

#### Temperature

Operating Range	-40 to +85 deg C
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Ingress Protection (IP) Rating

IP67

Vibration

1G at 5Hz to 100Hz

### Compliance Certifications

### Plotted and Other Data

Notes:

PolyPhaser protects and increases the reliability of global RF communications networks, including transportation, telecommunications, defense, security and industrial applications, with superior RF surge protection technologies including DC Block, DC Pass and Ultra Low PIM. Backed by responsive service and expert technical support PolyPhaser continually expands its product offering and services to serve engineers' urgent needs for RF components in mission critical communication networks.

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URL: <https://www.polyphaser.com/type-n-sma-surge-protector-6ghz-filter-lsxm-ns-p.aspx>

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LSXM-NS CAD Drawing

