

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	Surge Filter
DC Handling	DC Block
Description	Minimum
Frequency Range	2
Impedance	50
VSWR	1.2:1
Insertion Loss	0.1
Input Power, CW	10
Surge Current	10
IEC 61000-4-5 8/20 μ s waveform 500J	kA
Throughput Energy	500
for 3kA @ 8/20 μ s waveform	nJ

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications:
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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

Vibration	IP67
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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

