

Type N F/M Bulkhead Coaxial RF Surge Protector, 1.8GHz - 6GHz, DC Block, 10W, IP67, .5uJ, 18kA, Filter



LSXL-ME

Features

- Surge current of 18kA
- Max Power 10W
- Frequency range from 1.8 to 6 GHz
- Waterproof IP67 rated
- N Female to N Male connectors
- DC Block
- VSWR <1.3:1
- 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	1.8		6	GHz
Impedance		50		Ohms
VSWR		1.2:1	1.3:1	
Insertion Loss			0.2	dB
Input Power, CW			10	Watts
Surge Current			18	kA
Throughput Energy for 3kA @ 8/20μs waveform			500	nJ

Mechanical Specifications

Size

Length

2.8 in [71.12 mm]

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 Bulkhead Coaxial RF Surge Protector, 1.8GHz - 6GHz, DC Block, 10W, IP67, .5uJ, 18kA, Filter LSXL-ME](#)

Type N F/M Bulkhead Coaxial RF Surge Protector, 1.8GHz
 - 6GHz, DC Block, 10W, IP67, .5uJ, 18kA, Filter



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Width/Diameter	1.12 in [28.45 mm]
Weight	0.4 lbs [181.44 g]
Configuration	
Input Connector	N Female
Output Connector	N Male

Environmental Specifications

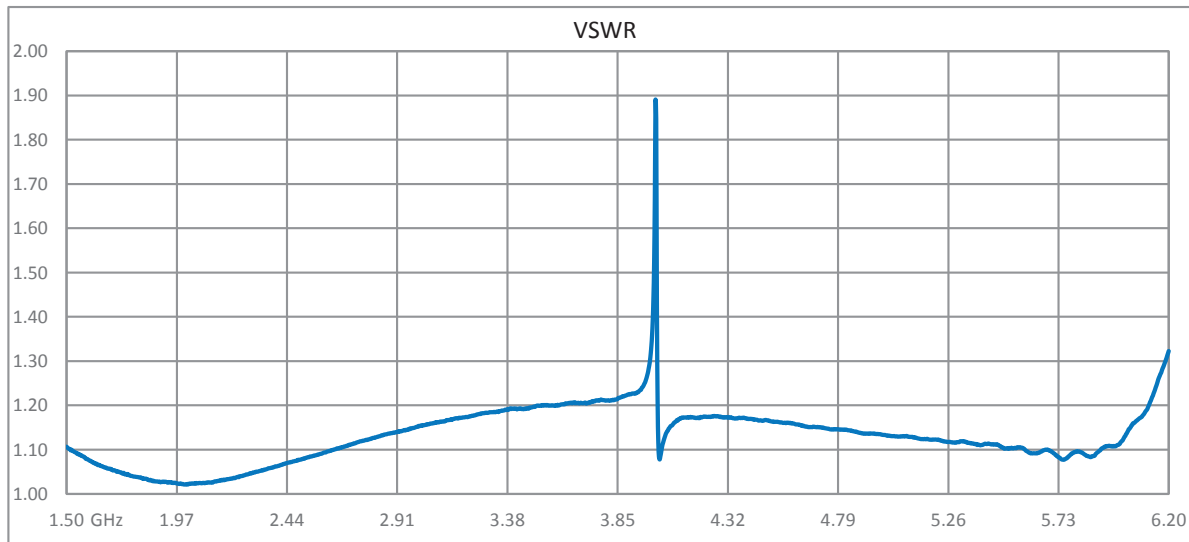
Temperature	
Operating Range	-40 to 85 deg C
Ingress Protection (IP) Rating	IP67
Vibration	1G at 5Hz to 100Hz

Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

Typical Performance Data



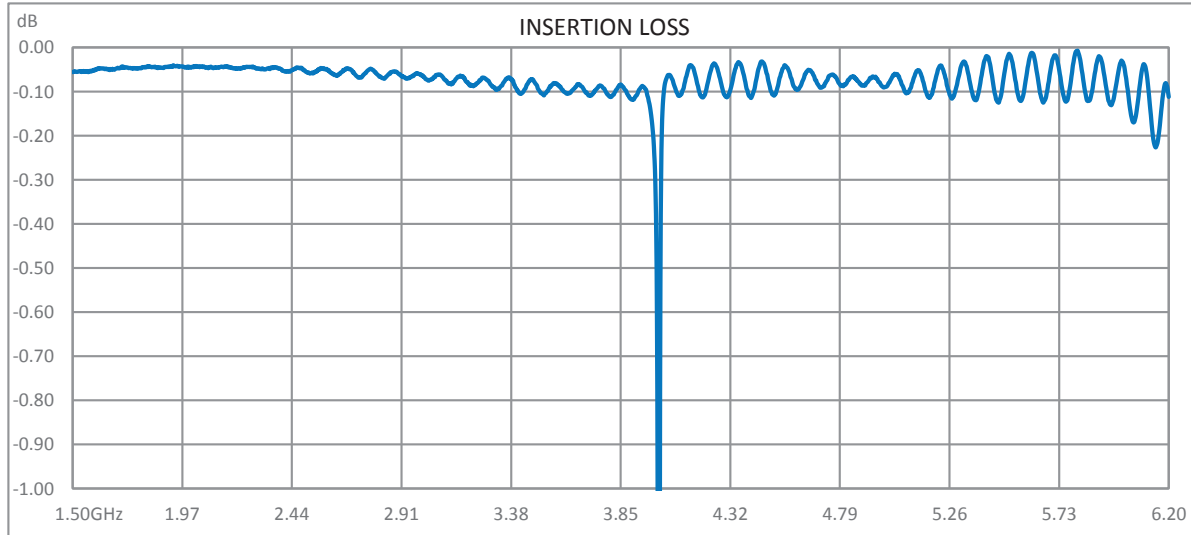
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LSXL-ME



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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LSXL-ME CAD Drawing

UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS
 TOLERANCES: FRACTIONS: ± 1/32 .XXF± .03 ANGLES: 1° .XXX± .010
 THIRD-ANGLE PROJECTION

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

PolyPhaser

CELL FILTER
 2GHz-6GHz

SIZE: A CAGE: 30992 PROD CAT: RFP DRAWING NUMBER: LSXL-ME REV: A

HARDWARE KIT INCLUDES:

QTY	DESCRIPTION
1	NUT 5/8-24 303 HEX SS
1	WASHER 5/8 410 SS
1	SILICONE O-RING 019

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