

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



AL-LSXM-ME

Features

- Surge current up to 10kA
- Max Power 10W
- Frequency range from 2GHz to 6GHz
- N Female to N Male connectors
- Waterproof IP67 rated
- DC Block
- VSWR <1.3:1
- Multi-strike capability
- CE & RoHS compliant

Applications

- WiFi
- Cellular communication systems

Description

RF surge protector (also known as lightning arrester) AL-LSXM-ME from PolyPhaser utilizing a patented DC shorted filter 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	Typical	Maximum	Units
Frequency Range	2		6	GHz
Impedance	50			Ohms
VSWR	1.2:1		1.3:1	
Return Loss	20			dB
Insertion Loss	0.1		0.2	dB
Passive Intermodulation	-167		-155	dBc
Input Power, CW			10	Watts
Surge Current			10	kA
IEC 61000-4-5 8/20µs WAVEFORM				
Throughput Energy			500	nJ
FOR 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:
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Mechanical Specifications

Size

Length	2.81 in [71.37 mm]
Width/Diameter	0.81 in [20.57 mm]
Weight	0.15031 lbs [68.18 g]

Configuration

Input Connector	N Female
Output Connector	N Male

Environmental Specifications

Temperature

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

Vibration	IP67
	1G @ 5Hz to 100Hz

Compliance Certifications

CE Compliant Certifications	Yes
	NOM

Plotted and Other Data

Notes:

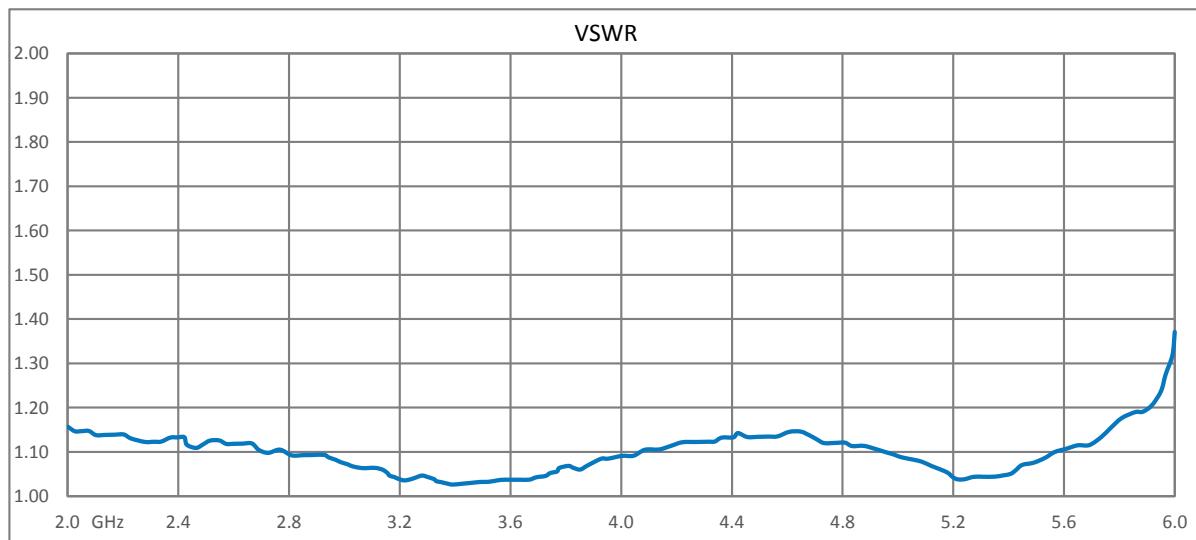
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Typical Performance Data

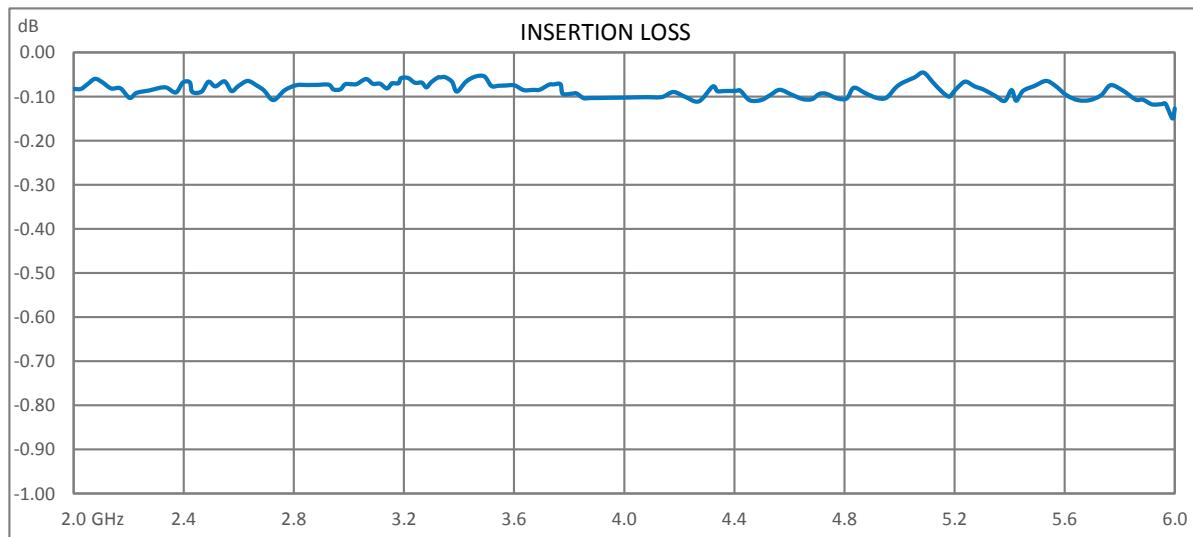


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- 6GHz, DC Block, 10W, IP67, .5uJ, 10kA, Filter



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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-surge-protector-6ghz-filter-al-lsxm-me-p.aspx>

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AL-LSXM-ME CAD Drawing

