

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



AL-LSXM-MA

Features

- Surge current of 10kA
- Max Power 10W
- Frequency range from 2 to 6 GHz
- Waterproof IP67 rated
- N Male to N Female 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) AL-LSXM-MA 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

Description	Surge Protector Type DC Handling		Surge Filter DC Block		Units
	Minimum	Typical	Maximum		
Frequency Range	2		6		GHz
Impedance		50			Ohms
VSWR		1.2:1		1.3:1	
Return Loss		20		18	dB
Insertion Loss		0.1		0.2	dB
Passive Intermodulation		-167		-155	dBc
Input Power, CW				10	Watts
Surge Current IEC 61000-4-5 8/20µs waveform				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:
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Mechanical Specifications

Size

Length	2.8 in [71.12 mm]
Width/Diameter	1.01 in [25.65 mm]
Height	1.01 in [25.65 mm]
Weight	0.15031 lbs [68.18 g]

Configuration

Input Connector	N Male
Output Connector	N Female

Environmental Specifications

Temperature

Operating Range	-40 to +85 deg C
Storage Range	-40 to +85 deg C

Ingress Protection (IP) Rating	IP67
Vibration	1G at 5Hz to 100Hz

Compliance Certifications

RoHS Compliant	
CE Compliant	1

Plotted and Other Data

Notes:

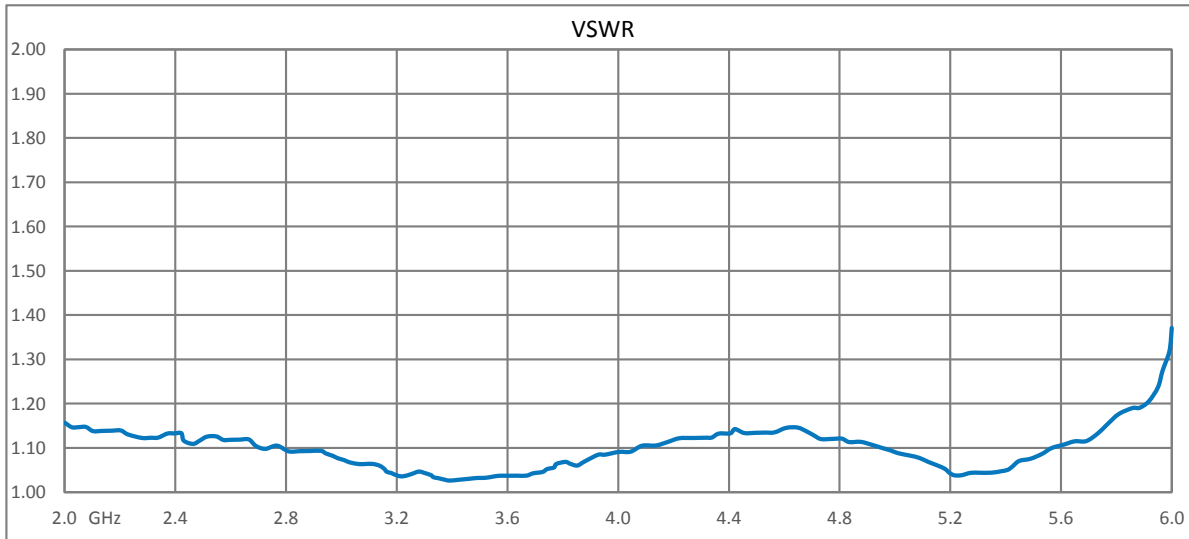
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Typical Performance Data

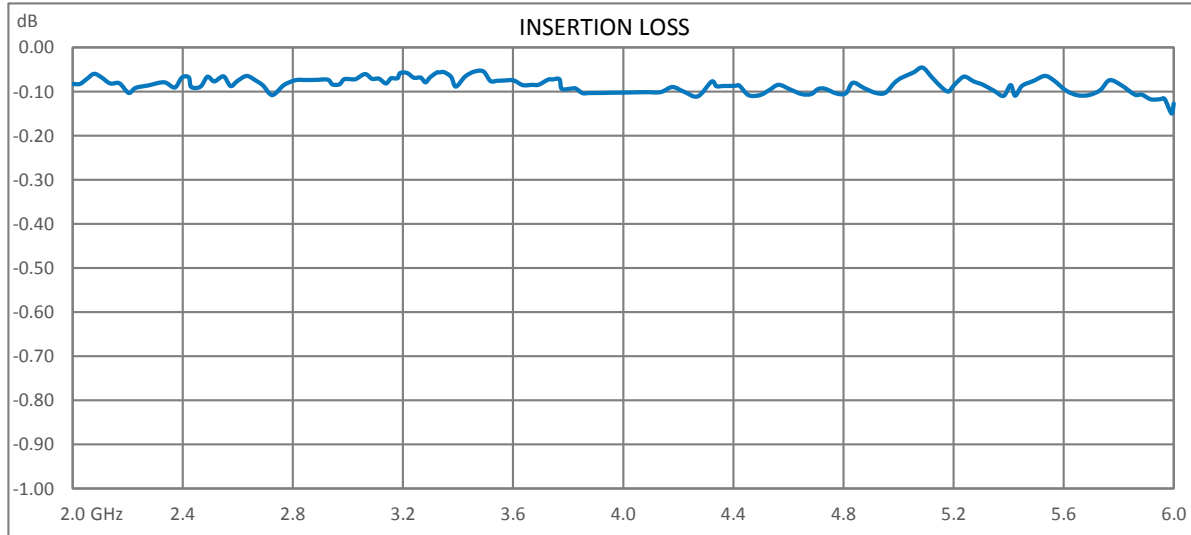


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PolyPhaser protects and increases the reliability of global RF communications networks, including transportation, telecommunications, defense, security and industrial applications, with superior RF surge protection technologies including DC Block, 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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AL-LSXM-MA CAD Drawing

