

## 4.3-10 F/M Bulkhead Coaxial RF Surge Protector, 698MHz - 2.7GHz, 500W, IP67, 80 V Max., 1mJ, 20kA, Filter, Low PIM -173 dBc

RF surge protector (also known as lightning arrester) FMSP1062 from Fairview Microwave 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 Fairview Microwave RF surge protector products are available in stock with same day shipping.

### Electrical Specifications

Description	Surge Protector Type DC Handling		Surge Filter and Gas Tube DC Pass		Units
	Min	Typ	Max		
Frequency Range	0.698		2.7		GHz
Impedance		50			Ohms
VSWR			1.12:1		
Insertion Loss		0.1	0.2		dB
Passive Intermodulation		-155	-173		dBc
Operating Voltage (DC)			80		Volts
Operating Current (DC)			6		A
Resistance (DC)			20		mOhms
Input Power, CW			500		Watts
Surge Current IEC 61000-4-5 8/20µs waveform			20		kA
Throughput Energy for 2kA @ 8/20µs waveform			1		mJ

### Mechanical Specifications

Size	
Length	2.98 in [75.69 mm]
Width/Diameter	1.72 in [43.69 mm]
Height	1.81 in [45.97 mm]
Weight	1 lbs [453.59 g]
Housing Material and Plating	Brass, Tri-Metal

### Configuration

Input Connector	4.3-10 Female
Output Connector	4.3-10 Male

### Environmental Specifications

Temperature	
Operating Range	-50 to +85 deg C
Storage Range	-50 to +85 deg C
Ingress Protection (IP) Rating	IP67



### Features:

- Surge current of 20kA
- Max Power 500W
- Frequency range from 698 MHz to 2700 MHz
- Waterproof IP67 rated
- 4.3-10 Female to 4.3-10 Male connectors
- DC Pass
- VSWR <1.12:1
- Low insertion loss
- CE & RoHS compliant
- Bidirectional

### Applications:

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

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Humidity 95%

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

### Plotted and Other Data

Notes:

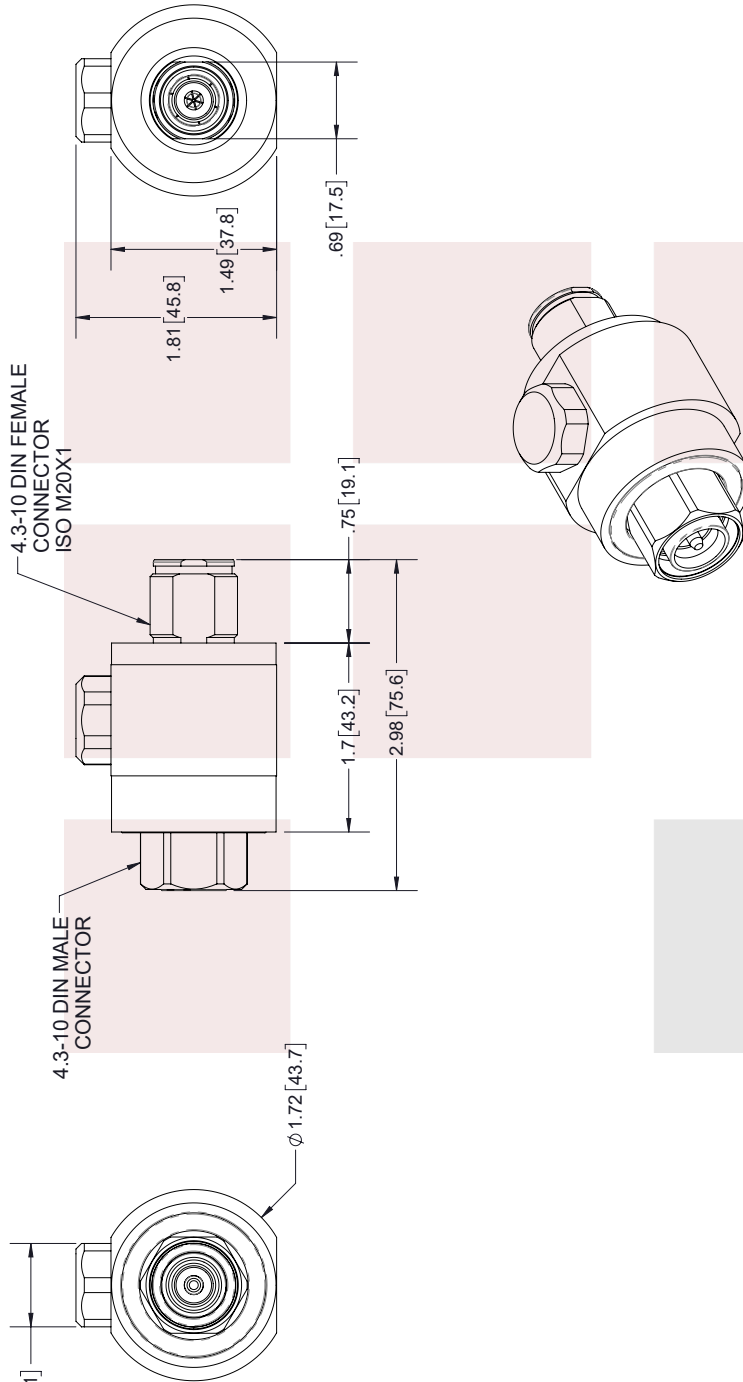
4.3-10 F/M Bulkhead Coaxial RF Surge Protector, 698MHz - 2.7GHz, 500W, IP67, 80 V Max., 1mJ, 20kA, Filter, Low PIM -173 dBc from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [4.3-10 F/M Bulkhead Coaxial RF Surge Protector, 698MHz - 2.7GHz, 500W, IP67, 80 V Max., 1mJ, 20kA, Filter, Low PIM -173 dBc FMSP1062](#)

URL: <https://www.fairviewmicrowave.com/4.3-10-surge-protector-2.7ghz-surge-filter-gas-tube-fmsp1062-p.aspx>

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REVISIONS		DATE	APPROVED
REV. A	DESCRIPTION INITIAL RELEASE	9/9/19	DWR



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HARDWARE KIT CONTENTS:	
QTY	DESCRIPTION
1	NUT M20 X 1 SS
1	WASHER .82ID FLAT SS
1	SILICONE O-RING 019
1	RING TERM 6AWG .82ID

<p>UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [ ] ARE MILLIMETERS</p> <p>TOLERANCES:</p> <p>.X±.2 [5.08] FRACTIONS ± 1/32 ANGLES ± 1°</p> <p>.XX±.01 [25] ANGLES ± 1°</p> <p>.XXX±.005 [13] ANGLES ± 1°</p> <p>ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.</p> <p>THIRD-ANGLE PROJECTION</p>	<p><b>Fairview Microwave</b> an INFINIT<sup>®</sup> brand</p> <p>301 LEORA Ln., SUITE 100, LEWISVILLE, TX 75056 Phone: 1-800-715-4396   1-972-649-6678 Fax: 1-972-649-6689 www.fairviewmicrowave.com e-mail: sales@fairviewmicrowave.com</p>	<p>THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF FAIRVIEW MICROWAVE, INC. ALL RIGHTS RESERVED.</p> <p>SHEET 1 OF 1</p> <p>SCALE 2:3</p>
	<p>SIZE A</p> <p>CAGE 3FKR5</p> <p>DRAWN BY DPM</p> <p>PART NUMBER FMSP1062</p> <p>REV. A</p>	

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