

4.3-10 F/F 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) FMSP1061 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	2.9 in [73.66 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 Female

Environmental Specifications

Temperature	
Operating Range	-50 to +85 deg C
Storage Range	-50 to +85 deg C

Ingress Protection (IP) Rating	IP67
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Features:

- Surge current of 20kA
- Max Power 500W
- Frequency range from 698 MHz to 2700 MHz
- Waterproof IP67 rated
- 4.3-10-type Female 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:

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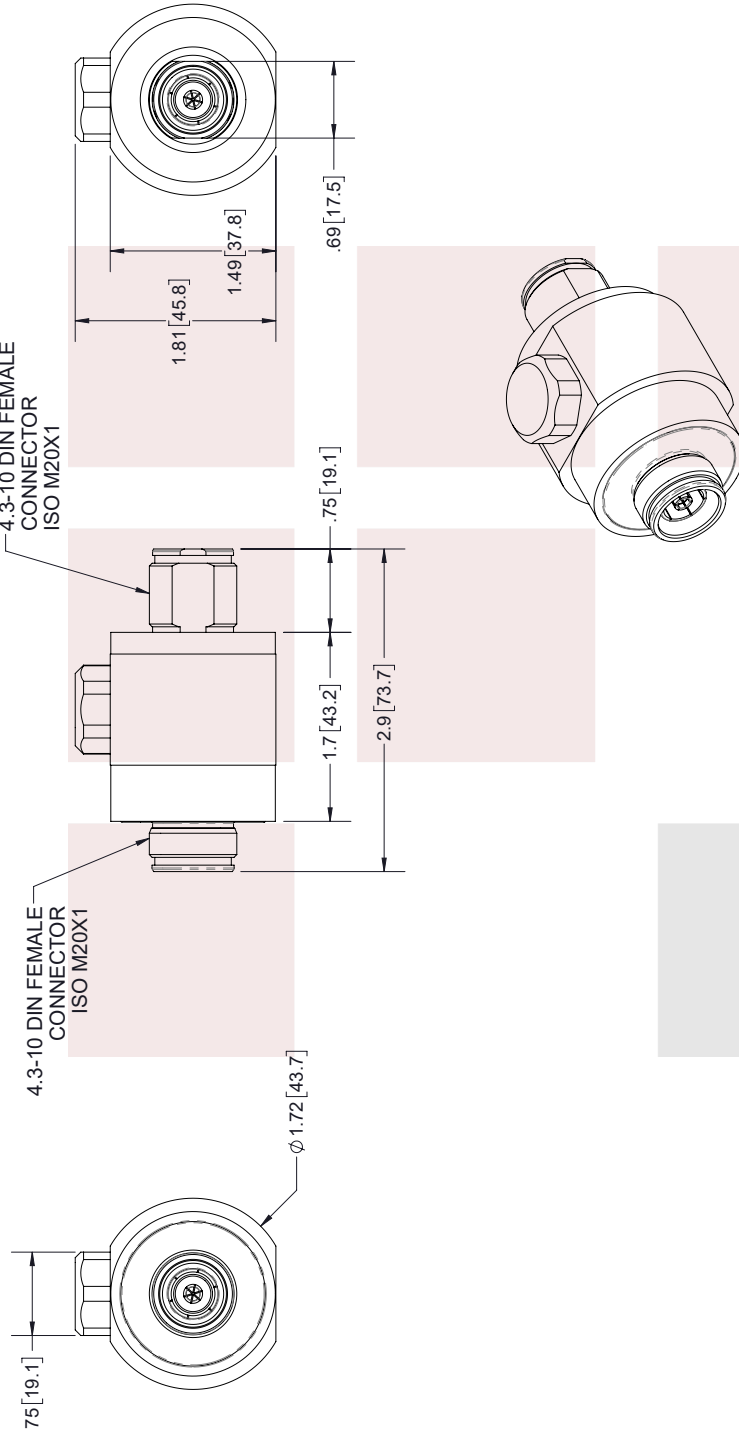
For additional information on this product, please click the following link: [4.3-10 F/F Bulkhead Coaxial RF Surge Protector, 698MHz - 2.7GHz, 500W, IP67, 80 V Max., 1mJ, 20kA, Filter, Low PIM -173 dBc FMSP1061](#)

URL: <https://www.fairviewmicrowave.com/4.3-10-surge-protector-2.7ghz-surge-filter-gas-tube-fmsp1061-p.aspx>

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

REV.	DESCRIPTION	DATE	APPROVED
A	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

UNLESS OTHERWISE SPECIFIED
LEADING DIMENSIONS ARE INCHES
DIMENSIONS IN [] ARE MILLIMETERS

TOLERANCES:
.X±.2 [5.08] FRACTIONS
XX±.01 [25] ± 1/32
.XXX±.005 [13] ANGLES ± 1°
ALL DIMENSIONS SHOWN
ARE FOR REFERENCE ONLY.

THIRD-ANGLE PROJECTION

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SHEET 1 OF 1
SCALE 2:3

SIZE: A 3FKR5 DRAWN BY: DPM PART NUMBER: FMSP1061 REV: A

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