

SMA F/F In/Out Bulkhead Coaxial RF Surge Protector, DC - 5.8GHz, 60 V Max., 10kA, Gas Discharge Tube

RF surge protector (also known as lightning arrestor) FMSP1068 from Fairview Microwave utilizing a gas discharge tube design 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. Fairview Microwave RF surge protector products are available in stock with same day shipping.

Electrical Specifications

Description	Surge Protector Type		Gas Discharge Tube		Units
	Min	Typ	Max		
DC Handling	DC		5.8		GHz
Impedance		50			Ohms
VSWR			1.5:1		
Insertion Loss			0.6		dB
Operating Voltage (DC)			60		Volts
Input Power, CW			150		Watts
Surge Current			10		kA
Turn On Voltage		90			Volts

Mechanical Specifications

Size	
Length	2.1 in [53.34 mm]
Width/Diameter	0.9 in [22.86 mm]
Height	1.2 in [30.48 mm]
Weight	0.25 lbs [113.4 g]
Housing Material and Plating	Brass, Tri-Metal

Configuration

Input Connector	SMA Female
Output Connector	SMA Female

Environmental Specifications

Temperature	
Operating Range	-40 to +85 deg C

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

Plotted and Other Data

Notes:



Features:

- Broadband Performance from DC to 5.8GHz
- Repetitive Lightning Strike Capability
- Bi-directional Protection
- Replaceable Gas Tube for Installation Longevity
- Robust Brass Construction

Applications:

- Cellular
- Land Mobile Radio, VHF/UHF
- Wireless LAN
- Wireless Cable (MMDS)
- GPS

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SMA F/F In/Out Bulkhead Coaxial RF Surge Protector, DC - 5.8GHz, 60 V Max., 10kA, Gas Discharge Tube 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.

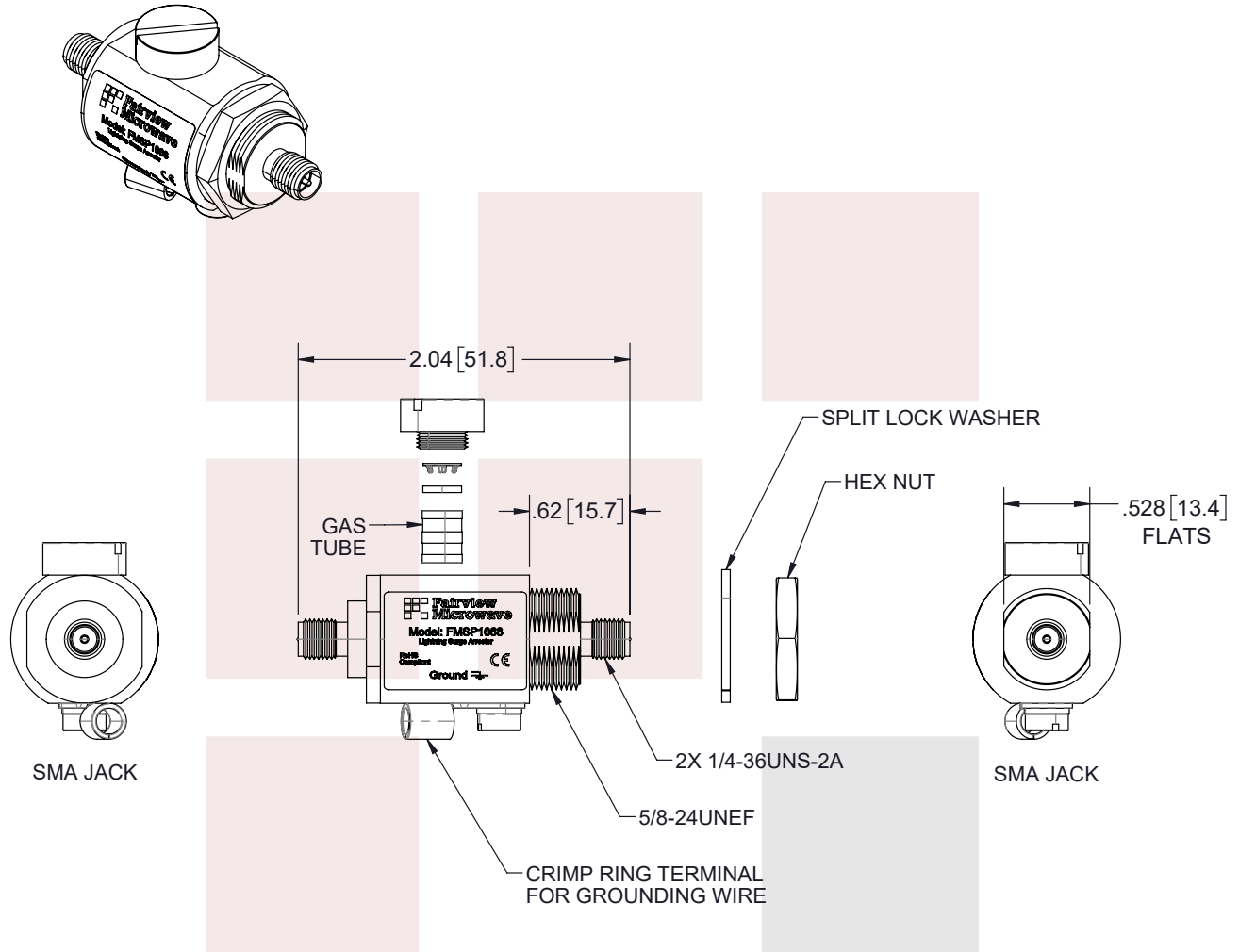
For additional information on this product, please click the following link: [SMA F/F In/Out Bulkhead Coaxial RF Surge Protector, DC - 5.8GHz, 60 V Max., 10kA, Gas Discharge Tube FMSP1068](#)

URL: <https://www.fairviewmicrowave.com/sma-surge-protector-5.8ghz-gas-discharge-tube-fmsp1068-p.aspx>

The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Fairview Microwave reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Fairview Microwave does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Fairview Microwave does not assume any liability arising out of the use of any part or documentation.



REVISIONS				
REV.	DESCRIPTION	ECN	DATE	APPROVED
A	PRODUCTION RELEASE		4/28/20	DWR



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TITLE

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

TOLERANCES:

.X = ±.2 [.508] FRACTIONS ± 1/32
.XX = ±.02 [.51] ± 1/32
.XXX = ±.005 [.13] ANGLES ± 1°

CABLE LENGTH (L) TOLERANCES:

L ≤ 12 [305] = +1 [25] / -0
12 [305] < L ≤ 60 [1524] = +2 [51] / -0
60 [1524] < L ≤ 120 [3048] = +4 [102] / -0
120 [3048] < L ≤ 300 [7620] = +6 [152] / -0
300 [7620] < L = +5%L / -0

THIRD-ANGLE PROJECTION



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SHEET 1 OF 1

SCALE 1:1

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

SIZE A	CAGE CODE 3FKR5	DRAWN BY DPM	ITEM NO. FMSP1068	REV A
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