

Type N F/F In/Out Bulkhead Coaxial RF Surge Protector, 1.5MHz - 700MHz, DC Block, 500W, 50kA, Blocking Cap and Gas Tube

RF surge protector (also known as lightning arrester) FMSP1027 from Fairview Microwave utilizing a proprietary surge protection technology protects critical hardware from lightening events while maintaining the RF performance. This RF surge protector component is manufactured in a coaxial in-line design with wide operating frequency range. Optional weather proofing kit and copper cleaning kit are available for purchase separately. All Fairview Microwave RF surge protector products are available in stock with same day shipping.



Electrical Specifications

Description	Min	Typ	Max	Units	Surge Protector Type	Blocking Cap and Gas Tube
					DC Handling	DC Block
Frequency Range	1.5		700	MHz		
Impedance		50		Ohms		
VSWR			1.1:1			
Return Loss			26	dB		
Insertion Loss			0.1	dB		
Input Power, CW			500	Watts		
500W @ HF Band						
200W @ VHF Band						
100W @ UHF Band						
Surge Current			50	kA		
IEC 61000-4-5 8/20µs WAVEFORM						
Turn On Voltage		330 ±20%		Volts		

Mechanical Specifications

Size	
Length	4.5 in [114.3 mm]
Width/Diameter	3.5 in [88.9 mm]
Height	2.3 in [58.42 mm]
Weight	0.316 lbs [143.34 g]
Configuration	
Input Connector	N Female
Output Connector	N Female

Environmental Specifications

Temperature	
Operating Range	-45 to +50 deg C
Storage Range	-45 to +85 deg C

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

Plotted and Other Data

Notes:

Features:

- Surge current of 50kA
- Max Power 500W
- Frequency range from 1.5 MHz to 700 MHz
- N Female to N Female connectors
- VSWR 1.1:1
- Multi-strike capability
- Nuclear EMP protection
- CE & RoHS compliant

Applications:

- HF, UHF and VHF radios
- Ham radios
- Remote industrial monitoring

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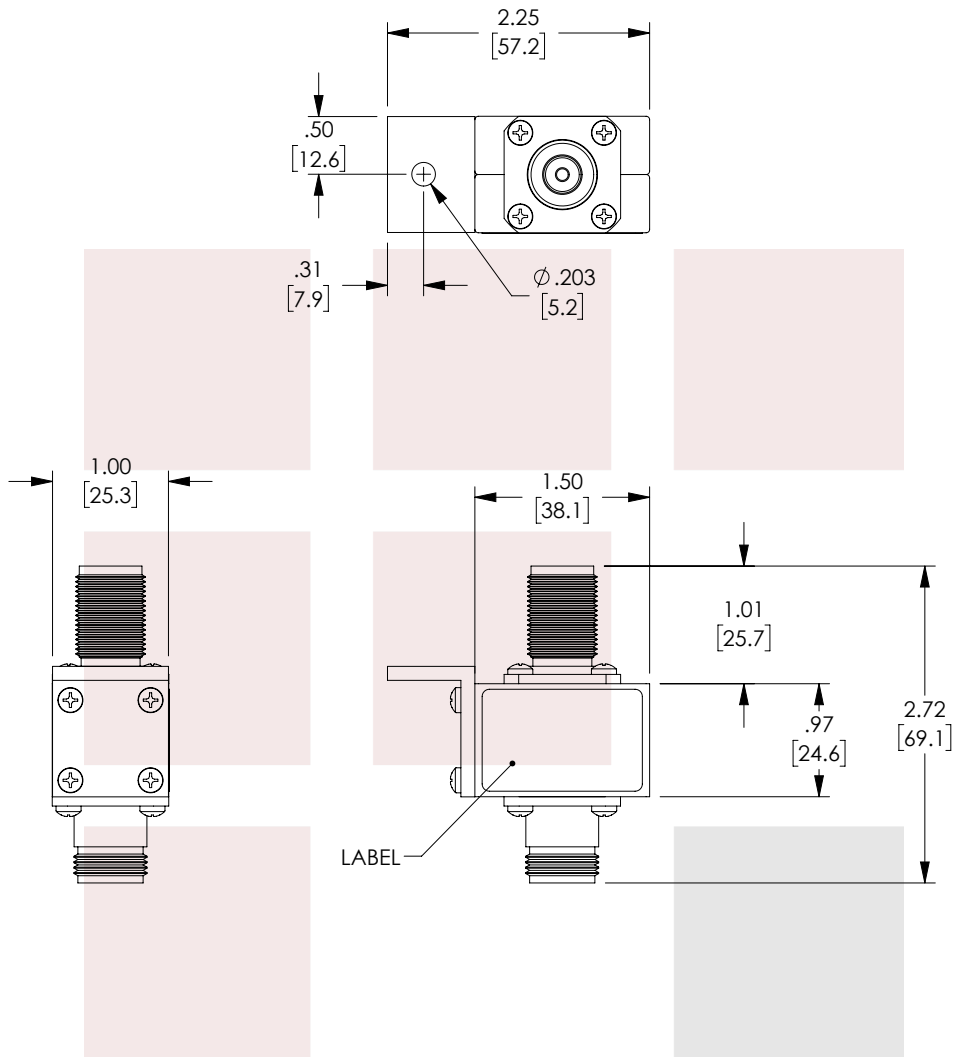
Type N F/F In/Out Bulkhead Coaxial RF Surge Protector, 1.5MHz - 700MHz, DC Block, 500W, 50kA, Blocking Cap and Gas Tube from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [Type N F/F In/Out Bulkhead Coaxial RF Surge Protector, 1.5MHz - 700MHz, DC Block, 500W, 50kA, Blocking Cap and Gas Tube FMSP1027](#)

URL: <https://www.fairviewmicrowave.com/type-n-surge-protector-700mhz-blocking-cap-gas-tube-fmsp1027-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.





STANDARD TOLERANCES

.X ± 0.2
.XX ± 0.01
.XXX ± 0.005


*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES

NOTES:

HARDWARE INCLUDED.

REGULATORY COMPLIANCE:

CE2011/65/EU(RoHS DIRECTIVE)

 <p>Fairview Microwave RF COMPONENTS ON DEMAND. <i>Done!</i></p>	<p>NOTES: 1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL. 2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME. 3. DIMENSIONS ARE IN INCHES [mm].</p>							
	<p>TITLE Type N F/F In/Out Bulkhead Coaxial RF Surge Protector, 1.5MHz - 700MHz, DC Block, 500W, 50kA, Blocking Cap and Gas Tube</p>			<p>DWG NO FMSP1027</p>		<p>CAGE CODE 3FKR5</p>		
CAD FILE	3/15/18	SHEET	1 OF 1	SCALE	N/A	SIZE	A	XXXX