

**Type N F/F In/Out Coaxial RF Surge Protector,
 1.5MHz - 700MHz, DC Block, 2kW, 50kA, Blocking
 Cap and Gas Tube**

RF surge protector (also known as lightning arrester) FMSP1025 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 DC Handling				
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			2		kWatts				
2kW @ 1.5 to 50MHz									
375W @ 50 to 220MHz									
125W @ 220 to 700MHz									
Surge Current			50		kA				
IEC 61000-4-5 8/20µs WAVEFORM									
Turn On Voltage		600 ±20 %			Volts				
Throughput Energy			3,500		mJ				
@ 3kA 8/20µs WAVEFORM									

Mechanical Specifications

Configuration

Input Connector N Female
 Output Connector N Female

Environmental Specifications

Temperature

Operating Range -50 to 50 deg C
 Storage Range -55 to +85 deg C

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

Plotted and Other Data

Notes:



Features:

- Surge current of 50kA
- Max Power 2kW
- Frequency range from 1.5 MHz to 700 MHz
- N Female to N Female connectors
- VSWR 1.1:1
- Multi-strike capability
- CE & RoHS compliant

Applications:

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

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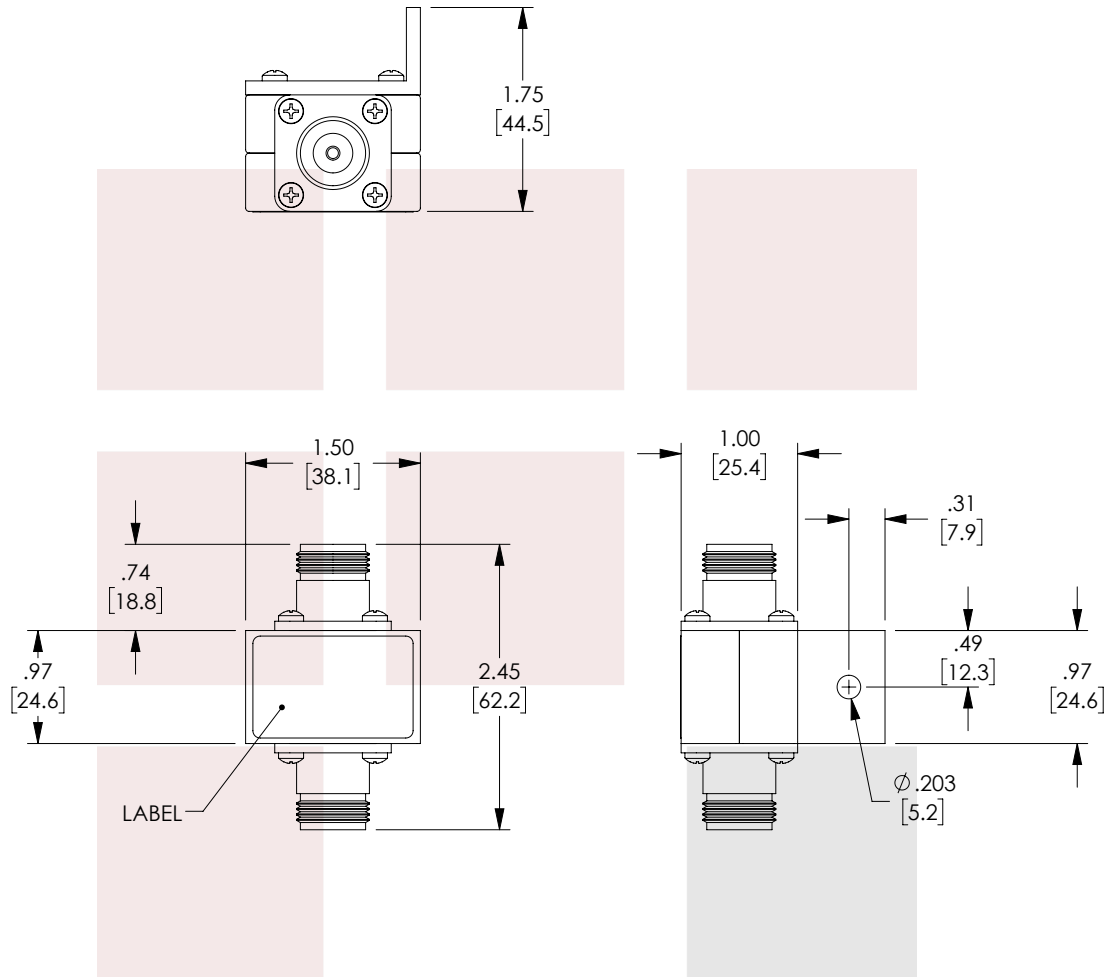
Type N F/F In/Out Coaxial RF Surge Protector, 1.5MHz - 700MHz, DC Block, 2kW, 50kA, Blocking Cap and Gas Tube from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [Type N F/F In/Out Coaxial RF Surge Protector, 1.5MHz - 700MHz, DC Block, 2kW, 50kA, Blocking Cap and Gas Tube FMSP1025](#)

URL: <https://www.fairviewmicrowave.com/type-n-surge-protector-700mhz-blocking-cap-gas-tube-fmsp1025-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)

		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].				
TITLE Type N F/F In/Out Coaxial RF Surge Protector, 1.5MHz - 700MHz, DC Block, 2kW, 50kA, Blocking Cap and Gas Tube		DWG NO FMSP1025			CAGE CODE 3FKR5	
CAD FILE 3/14/18	SHEET 1 OF 1	SCALE N/A	SIZE A	XXXX		