

UHF 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) FMSP1026 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			1.2:1			
Return Loss			22	dB		
Insertion Loss			0.1	dB		
Input Power, CW 2kW @ 1.5 to 50MHz 375W @ 50 to 220MHz 125W @ 220 to 700MHz			2	kWatts		
Surge Current IEC 61000-4-5 8/20µs WAVEFORM			50	kA		
Turn On Voltage		600 ±20 %		Volts		
Throughput Energy @ 3kA 8/20µs waveform			10,000	mJ		

Mechanical Specifications

Configuration

Input Connector	UHF Female
Output Connector	UHF 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
- UHF Female to UHF Female connectors
- VSWR 1.2: 1
- Multi-strike capability
- CE & RoHS compliant

Applications:

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

Fairview Microwave
301 Leora Ln., Suite 100
Lewisville, TX 75056
Tel: 1-800-715-4396 / (972) 649-6678
Fax: (972) 649-6689
www.fairviewmicrowave.com
sales@fairviewmicrowave.com

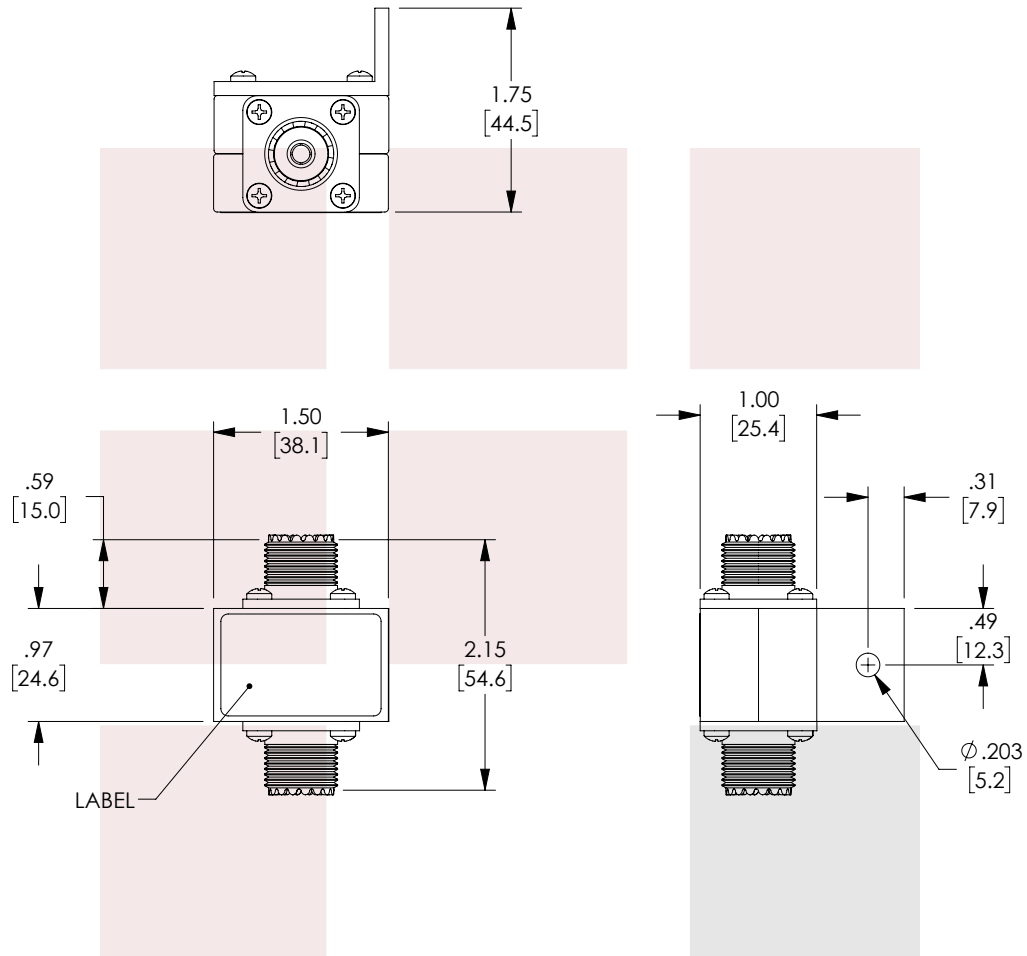
UHF F/F In/Out Coaxial RF Surge Protector, 1.5MHz - 700MHz, DC Block, 2kW, 50kA, Blocking Cap and Gas Tube from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview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

For additional information on this product, please click the following link: [UHF F/F In/Out Coaxial RF Surge Protector, 1.5MHz - 700MHz, DC Block, 2kW, 50kA, Blocking Cap and Gas Tube FMSP1026](#)

URL: <https://www.fairviewmicrowave.com/uhf-surge-protector-700mhz-blocking-cap-gas-tube-fmsp1026-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>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 UHF F/F In/Out Coaxial RF Surge Protector, 1.5MHz - 700MHz, DC Block, 2kW, 50kA, Blocking Cap and Gas Tube</p>		<p>DWG NO FMSP1026</p>		<p>CAGE CODE 3FKR5</p>				
CAD FILE	3/15/18	SHEET	1 OF 1	SCALE	N/A	SIZE	A	XXXX