

Type N F/F In/Out Bulkhead Coaxial RF Surge Protector, 2GHz - 6GHz, DC Block, 10W, IP67, 10kA, Filter

RF surge protector (also known as lightning arrester) FMSP1048 from Fairview Microwave utilizing a patented DC shorted filter 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

Surge Protector Type
DC Handling

Surge Filter
DC Block

Description	Min	Typ	Max	Units
Frequency Range	2		6	GHz
Impedance		50		Ohms
VSWR		1.2:1	1.3:1	
Return Loss		20		dB
Insertion Loss		0.1	0.2	dB
Input Power, CW			10	Watts
Surge Current IEC 61000-4-5 8/20μs WAVEFORM			10	kA
Throughput Energy FOR 3kA @8/20μs WAVEFORM			0.5	nJ

Mechanical Specifications

Configuration

Input Connector
Output Connector

N Female
N Female

Environmental Specifications

Temperature

Operating Range

-40 to 85 deg C

Ingress Protection (IP) Rating

IP 67

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

Plotted and Other Data

Notes:



Features:

- Surge current up to 10kA
- Max Power 10W
- Frequency range from 2GHz to 6GHz
- N-type female connectors
- Waterproof IP67 rated
- DC Block
- VSWR <1.3:1
- Multi-strike capability
- CE & RoHS compliant

Applications:

- WiFi
- Cellular communication systems

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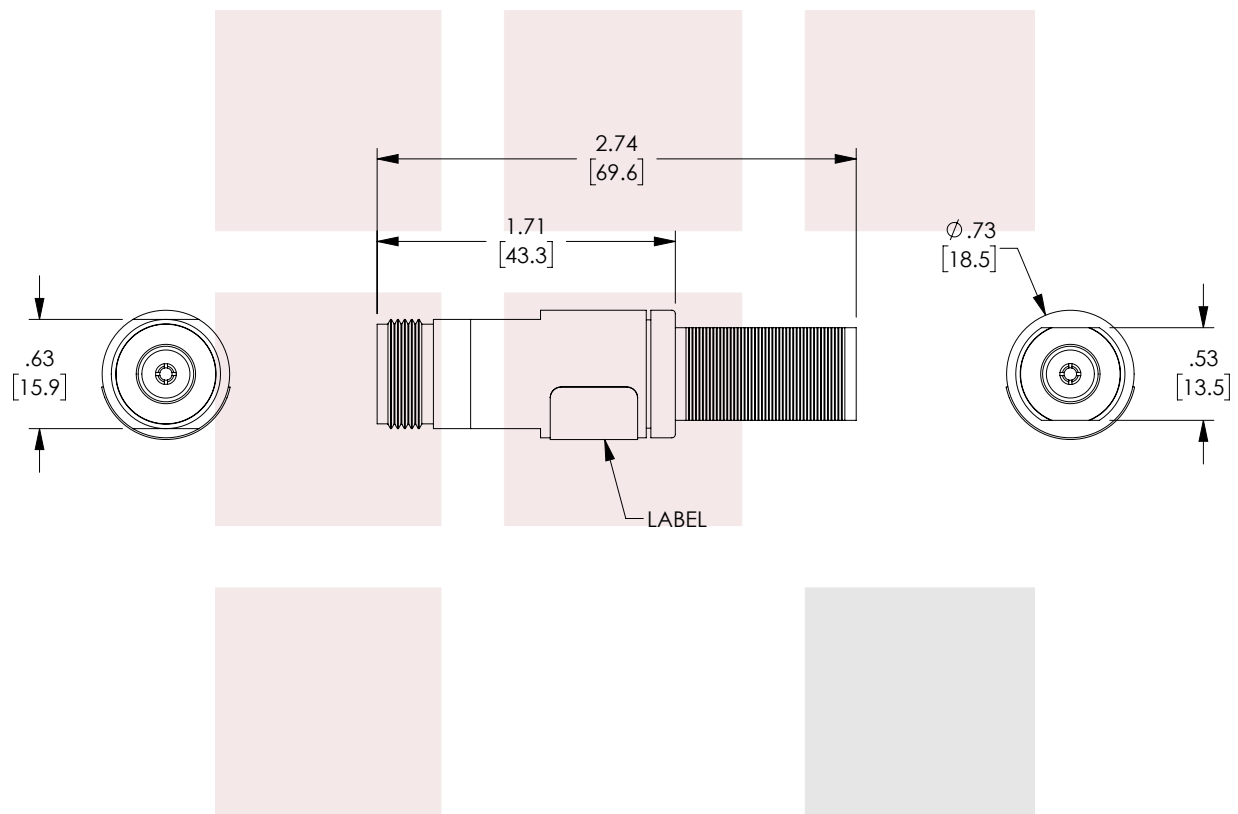
Type N F/F In/Out Bulkhead Coaxial RF Surge Protector, 2GHz - 6GHz, DC Block, 10W, IP67, 10kA, Filter from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [Type N F/F In/Out Bulkhead Coaxial RF Surge Protector, 2GHz - 6GHz, DC Block, 10W, IP67, 10kA, Filter FMSP1048](#)

URL: <https://www.fairviewmicrowave.com/type-n-surge-protector-6ghz-filter-fmsp1048-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].

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	CAD FILE 3/1/18	SHEET 1 OF 1	SCALE N/A	SIZE A	XXXX