

Reverse Polarity TNC F/M In/Out Bulkhead Coaxial RF Surge Protector, DC - 6GHz, 60 V Max., Gas Discharge Tube, Bracket Toward Body

RF surge protector (also known as lightning arrestor) FMSP1072 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	Gas Discharge Tube			Units
	Min	Typ	Max	
Surge Protector Type				
DC Handling			DC Pass	
Frequency Range	DC		6	GHz
Impedance		50		Ohms
VSWR			1.2:1	
Insertion Loss			0.6	dB
Operating Voltage (DC)			60	Volts
Input Power, CW			200	Watts
Surge Current		5	5	kA
IEC 61000-4-5 8/20 μ s				
Turn On Voltage		90		Volts

Mechanical Specifications

Size	
Length	2.3 in [58.42 mm]
Width/Diameter	0.906 in [23.01 mm]
Height	1.206 in [30.63 mm]
Weight	0.2 lbs [90.72 g]
Housing Material and Plating	Brass, Nickel

Configuration

Input Connector	TNC Female Reverse Polarity
Output Connector	TNC Male Reverse Polarity

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 6 GHz
- Repetitive Lightning Strike Capability
- Bi-directional Protection
- Replaceable Gas Tube for Installation Longevity
- Robust Brass Construction

Applications:

- WiFi
- Wireless Base Stations
- Automotive
- Avionics
- Military Communications

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Reverse Polarity TNC F/M In/Out Bulkhead Coaxial RF Surge Protector, DC - 6GHz, 60 V Max., Gas Discharge Tube, Bracket Toward Body 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: [Reverse Polarity TNC F/M In/Out Bulkhead Coaxial RF Surge Protector, DC - 6GHz, 60 V Max., Gas Discharge Tube, Bracket Toward Body FMSP1072](#)

URL: <https://www.fairviewmicrowave.com/surge-protector-6ghz-gas-discharge-tube-fmsp1072-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	DATE	APPROVED
A	INITIAL RELEASE	04/08/22	DREBECK

LOGO/ITEM NO. LABEL WITH ILS-100-05 SEE NOTE 1

GROUND LUG

TNC PLUG REVERSE POLARITY

TNC JACK REVERSE POLARITY

NOTES:
1. SEE LABEL SPECIFICATION ILS-100. FOR INTERNAL REFERENCE ONLY.

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<p>Fairview Microwave an INFINIT[®] brand</p>	<p>UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS</p> <p>TOLERANCES: CABLE LENGTH (L) TOLERANCES:</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%;">$.X = \pm 2$ [5.08]</td> <td style="width: 33%;">FRACTIONS</td> <td style="width: 33%;">L ≤ 12 [305] = +1 [25] / -0</td> </tr> <tr> <td>$.XX = \pm 0.02$ [.51]</td> <td>± 1/32</td> <td>12 [305] < L ≤ 60 [1524] = +2 [51] / -0</td> </tr> <tr> <td>$.XXX = \pm 0.005$ [.13]</td> <td>ANGLES ± 1°</td> <td>60 [1524] < L ≤ 120 [3048] = +4 [102] / -0</td> </tr> <tr> <td></td> <td></td> <td>120 [3048] < L ≤ 300 [7620] = +6 [152] / -0</td> </tr> <tr> <td></td> <td></td> <td>300 [7620] < L = +5%L / -0</td> </tr> </table>	$.X = \pm 2$ [5.08]	FRACTIONS	L ≤ 12 [305] = +1 [25] / -0	$.XX = \pm 0.02$ [.51]	± 1/32	12 [305] < L ≤ 60 [1524] = +2 [51] / -0	$.XXX = \pm 0.005$ [.13]	ANGLES ± 1°	60 [1524] < L ≤ 120 [3048] = +4 [102] / -0			120 [3048] < L ≤ 300 [7620] = +6 [152] / -0			300 [7620] < L = +5%L / -0	<p>THIRD-ANGLE PROJECTION</p> <p>THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF FAIRVIEW MICROWAVE CORPORATION. ALL RIGHTS RESERVED.</p> <p>SHEET 1 OF 1</p> <p>SCALE N/A</p>
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SIZE	CAGE CODE	DRAWN BY	ITEM NO.														
A	3FKR5	DFRISIELLO	FMSP1072														
		REV	A														

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