

75 Ohm Type F F/F Coaxial RF Surge Protector, 4MHz - 900MHz,
DC Block, 100W, 50kA, Blocking Cap, Bracket Up, Hole Mount



IS-75F-C1

Features

- Surge current of 50kA
- Max Power 100W
- Frequency range from 4 MHz to 900 MHz
- F-type Female connectors
- VSWR 1.2:1
- Multi-strike capability
- CE & RoHS compliant

Applications

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

Description

RF surge protector (also known as lightning arrester or surge arrester) IS-75F-C1 from PolyPhaser, integrating a RF blocking capacitor with a gas tube (GT or GDT). This RF surge protector component is manufactured in a coaxial in-line design with wide operating frequency range. All PolyPhaser RF surge protector products are available in stock with same day shipping.

Electrical Specifications

Surge Protector Type
DC Handling

Blocking Cap and Gas Tube
DC Block

Description	Minimum	Typical	Maximum	Units
Frequency Range	4		900	MHz
Impedance		75		Ohms
VSWR			1.2:1	
Insertion Loss			0.2	dB
Input Power, CW			100	Watts
100 W @ HF				
100 W @ VHF				
25 W @ UHF				
Surge Current			50	kA
Turn On Voltage		600 ±20%		Volts

Mechanical Specifications

Size

Length

2.51 in [63.75 mm]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications:
[75 Ohm Type F F/F Coaxial RF Surge Protector, 4MHz - 900MHz, DC Block, 100W, 50kA, Blocking Cap, Bracket Up, Hole Mount IS-75F-C1](#)

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Width/Diameter	1.5 in [38.1 mm]
Height	1.75 in [44.45 mm]

Configuration	
Input Connector	F Female
Output Connector	F Female

Environmental Specifications

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

Ingress Protection (IP) Rating	None
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Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

PolyPhaser protects and increases the reliability of global RF communications networks, including transportation, telecommunications, defense, security and industrial applications, with superior RF surge protection technologies including DC Block, DC Pass and Ultra Low PIM. Backed by responsive service and expert technical support PolyPhaser continually expands its product offering and services to serve engineers' urgent needs for RF components in mission critical communication networks.

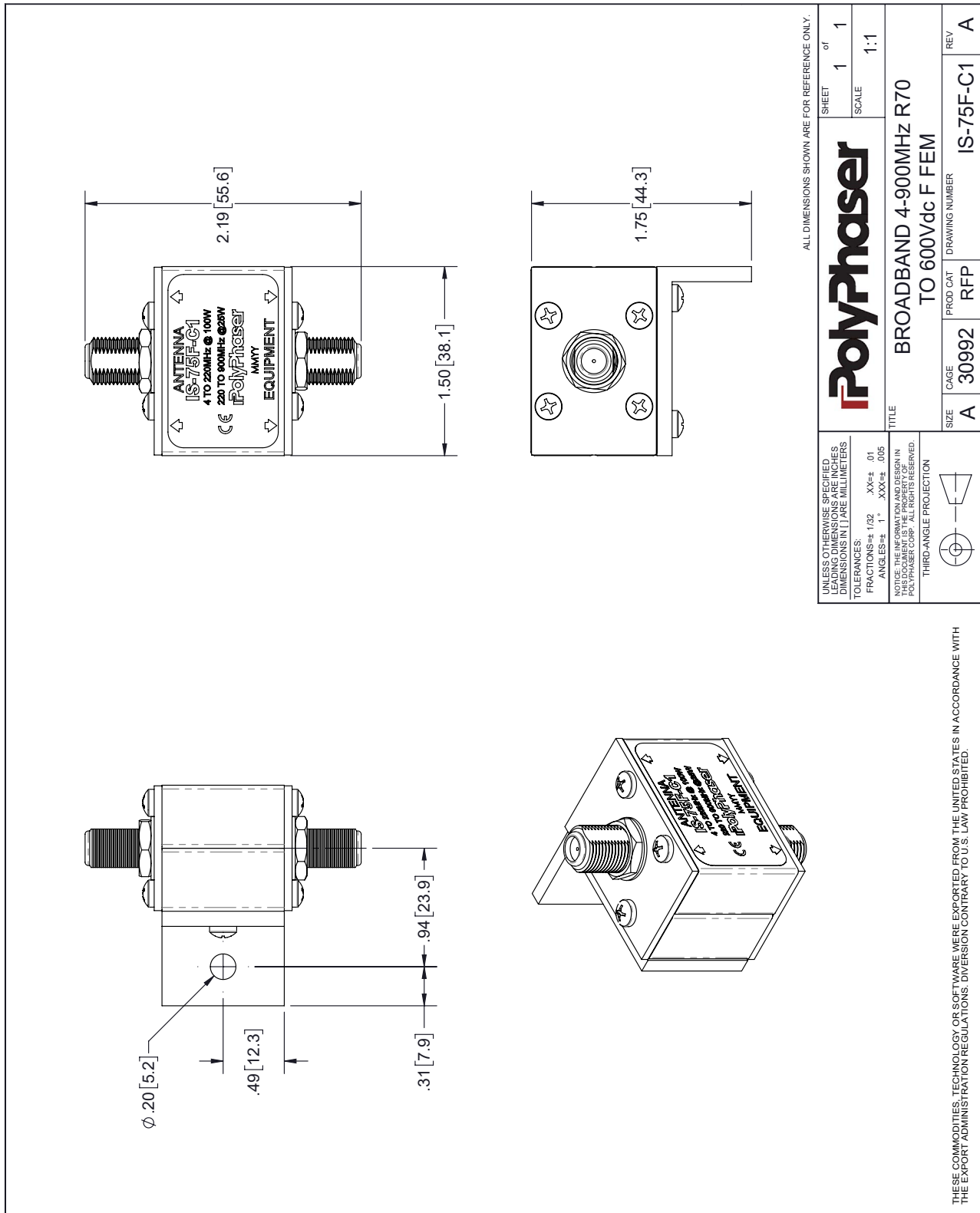
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URL: <https://www.polyphaser.com/type-f-surge-protector-900mhz-blocking-cap-gas-tube-is-75f-c1>

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IS-75F-C1 CAD Drawing



ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS	SHEET	1	of	1	
	TOLERANCES:	SCALE			1:1
FRACTIONS= 1/32 .XX± .01	SIZE	CAGE			PROD CAT
ANGLES= 1° .XXX± .005	A	30992	RFP	IS-75F-C1	REV
THIRD-ANGLE PROJECTION	TITLE		DRAWING NUMBER		
NOTE: THE INFORMATION AND DESIGN IN THIS DRAWING IS THE PROPERTY OF POLYPHASER, INC. ALL RIGHTS RESERVED.	BROADBAND 4-900MHz R70		A		
	TO 600Vdc F FEM		REV		

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