

DC Lightning Surge Protector, 12Vdc, 30A Floating Ground



## IS-12VDC-30A-FG

### Features

- 18kA surge rating
- Coordinated multi-stage protection topology
- Full-mode protection

### Applications

- DC Power Systems

### Description

DC surge protector (also known as lightning arrestor) IS-12VDC-30A-FG from PolyPhaser utilizes a coordinated multi-stage design to protect critical hardware from lightning and other induced transients. PolyPhaser surge protector products are available in stock with same day shipping.

### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
DC Operating Current			30	A
Series Impedance (DC)		0.02		Ohms
Ground Configuration		Floating DC Ground		
DC Operating Voltage		12		Volts

### Surge Protection Specification

Description	Minimum	Typical	Maximum	Units
Surge				
SURGE CURRENT IEC 61000-4-5 8/20us Waveform, 18kA Max				
			18	kA
Turn On Voltage (DC)		18		Vdc

### Mechanical Specifications

#### Size

Length	4.44 in [112.78 mm]
Width/Diameter	3.88 in [98.55 mm]
Height	2.55 in [64.77 mm]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications:  
[DC Lightning Surge Protector, 12Vdc, 30A Floating Ground IS-12VDC-30A-FG](#)

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Weight	1 lbs [453.59 g]
<b>Configuration</b>	
Connector	Compression Lug

### Environmental Specifications

<b>Temperature</b>	
Operating Range	-40 to +65 deg C

### Installation

Mount Type	Panel Mount
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### Compliance Certifications

### 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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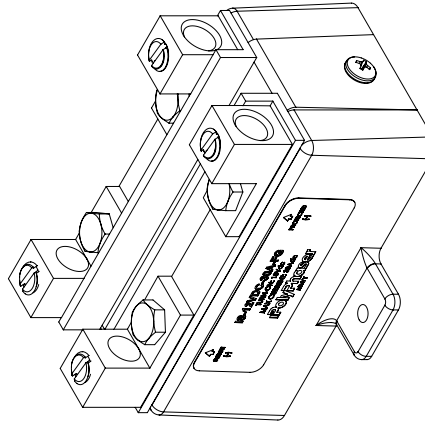
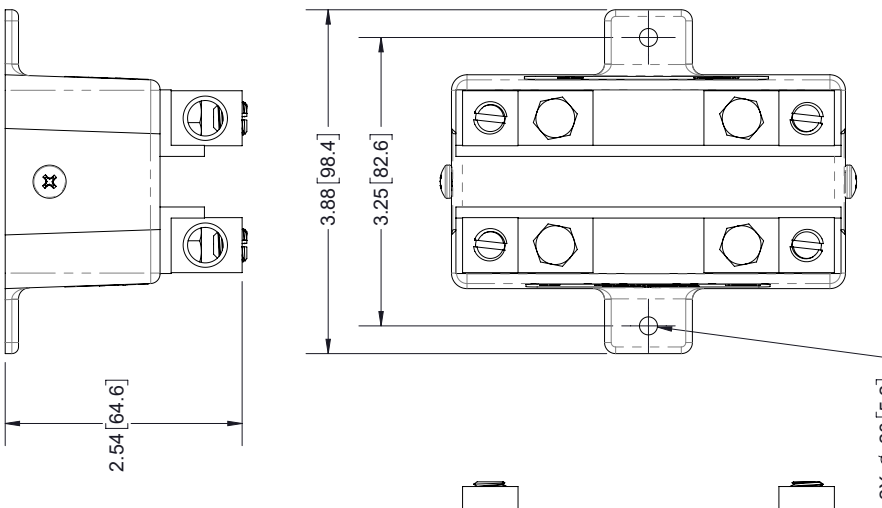
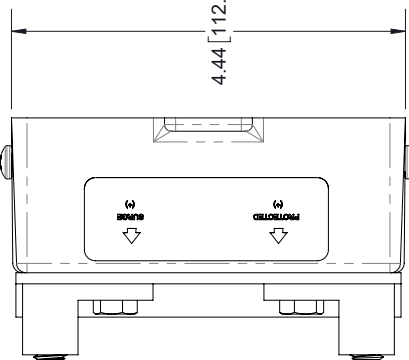
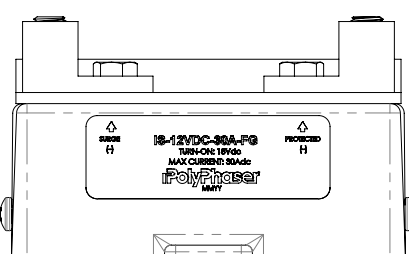
URL: <https://www.polyphaser.com/IS-12VDC-30A-FG-p.aspx>

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. PolyPhaser reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. PolyPhaser does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and PolyPhaser does not assume any liability arising out of the use of any part or documentation.

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## IS-12VDC-30A-FG CAD Drawing

REVISIONS		
REV.	DESCRIPTION	DATE APPROVED
A	INITIAL RELEASE	5/19/2021 DWR

**UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [ ] ARE MILLIMETERS**

**TOLERANCES:**


X ± .2	[5.08]	FRACTIONS
XX ± .02	[.51]	+1/32
XXX ± .005	[.13]	ANGLES ± 1°

**CABLE LENGTH (L) TOLERANCES:**

L ≤ 12 [305]	± +1 [25] / -0
12 [305] < L ≤ 60 [1524]	± +2 [51] / -0
60 [1524] < L ≤ 120 [3048]	± +4 [102] / -0
120 [3048] < L ≤ 300 [7620]	± +6 [152] / -0
300 [7620] < L	± +5% L / -0

**ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.**

**THIRD-ANGLE PROJECTION**



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SHEET 1 OF 1

SCALE 1:2

**HARDWARE KIT INCLUDES:**

QTY	DESCRIPTION
2	WASHER 10 EXT TOOTH SS
2	NUT 10-32 HEX 18-8 SS
2	SCREW 10-32X.50 SLOT MS PAN 18-8 SS

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