

Type N F/F Bulkhead Coaxial RF Surge Protector, DC - 3.0GHz, DC Pass, 60V, 2000W, IP67, 20kA, Gas Tube, Bracket Included



103-0324A-A

Features

- Surge current of 20kA
- Max Power 2000W
- Frequency range from DC to 3.0GHz
- N-type Female connectors
- Waterproof IP67 rated
- DC Pass
- VSWR 1.15:1
- Bidirectional

Applications

- WiFi
- GPS
- Land mobile radio

Description

RF surge protector (also known as lightning arrester or surge arrester) 103-0324A-A from PolyPhaser, utilizing 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

Gas Discharge Tube
DC Pass

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		3	GHz
Impedance		50		Ohms
VSWR			1.15:1	
Insertion Loss		0.15	0.2	dB
Operating Voltage (DC)			60	Volts
Operating Current (DC)			10	A
Input Power, CW			2	kWatts
Surge Current			20	kA
Turn On Voltage		600		Volts
Throughput Energy			120	uJ

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications:
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Mechanical Specifications

Size

Length	3.55 in [90.17 mm]
Width/Diameter	1.12 in [28.45 mm]
Height	1.3 in [33.02 mm]
Weight	0.35 lbs [158.76 g]
Housing Material and Plating	Aluminum

Configuration

Input Connector	N Female
Output Connector	N Female

Environmental Specifications

Temperature

Operating Range	-54 to +85 deg C
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Ingress Protection (IP) Rating	IP67
Humidity	90%

Compliance Certifications

RoHS Compliant	Yes
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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:

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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103-0324A-A CAD Drawing

REVISIONS		DATE	APPROVED
REV.	DESCRIPTION	4/16/2021	DWR
A	PRODUCTION RELEASE		

Ø 1.12 [28.3]
1.30 [33.1]
2X .53 [13.5]

3.55 [90]
2X .99 [25]

2X N' FEMALE CONNECTOR

HARDWARE KITS INCLUDE:	
1	BRACKET MOUNT N FLANGE
2	NUT 8-32 HEX 18-8 SS
2	WASHER #8 410 SS INTERNAL
2	SCREW 8-32 X .50 PHIL MS PAN 18-8 SS
1	SILICONE O-RING 019
1	NUT 5/8-24 303 HEX SS
1	WASHER 5/8 410 SS
QTY	DESCRIPTION

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

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

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THIRD-ANGLE PROJECTION

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SHEET 1 OF 1

SCALE 1:1

SIZE	CAGE CODE	DRAWN BY	PART NUMBER
A	30992	DMAY	103-0324A-A
REV			SCALE
A			1:1