PolyPhaser
an INFINITE brand

Coaxial RF Surge Protector Kit, 2x BGXZ-60NFNM-AS, Hardware Kit

108-1019A

Features

- Kit of 2x BGXZ-60NFNM-AS with Hardware Kit
- Max Power 40W
- Frequncy range from 5MHz to 400MHz
- N Female to N Male connectors
- Waterproof IP67 rated
- DC Pass
- VSWR <1.1:1 Typical
- Low insertion loss
- CE & RoHS compliant

Applications

- WiFi
- GPS
- Land mobile radio

Description

RF surge protector (also known as lightning arrester) 108-1019A from PolyPhaser, utilizing a patented hybrid protection technology integrating a silicon avalanche suppression diode (SASD) and a MOV and gas tube, enables a quick 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 PolyPhaser RF surge protector products are available in stock with same day shipping.

Electrical Specifications

Surge Protector Type   Hybrid
DC Handling   DC Pass

Description	Minimum	Typical	Maximum	Units
Frequency Range	5		400	MHz
Impedance		50		Ohms
VSWR		1.1:1	2.5:1	
Insertion Loss		0.4	2	dB
Operating Voltage (DC)			-60	Volts
Operating Current (DC)			4	A
Input Power, CW			40	Watts
Surge Current			3	kA
Turn On Voltage		-66		Volts
Throughput Energy			1	mJ

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications:
Coaxial RF Surge Protector Kit, 2x BGXZ-60NFNM-AS, Hardware Kit 108-1019A

+1 800 882 9110 | PolyPhaser.com

Coaxial RF Surge Protector Kit, 2x BGXZ-60NFNM-AS, Hardware Kit

108-1019A

Mechanical Specifications

Size
Length	3.23 in [82.04 mm]
Width/Diameter	1.41 in [35.81 mm]
Height	3.71 in [94.23 mm]
Weight	1.569 lbs [711.69 g]
Housing Material and Plating	Aluminum

Configuration
Input Connector	N Female
Output Connector	N Male

Environmental Specifications

Temperature
Operating Range	-50 to +85 deg C
Ingress Protection (IP) Rating	IP67
Humidity	95%

Compliance Certifications
RoHS Compliant	
CE Compliant	Yes

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.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: Coaxial RF Surge Protector Kit, 2x BGXZ-60NFNM-AS, Hardware Kit 108-1019A

URL:

108-1019A CAD Drawing

REVISIONS

REV.	DESCRIPTION	DATE	APPROVED
A	PRODUCTION RELEASE	4/19/2021	DWR

HARDWARE KIT 9100-0129 INCLUDES:

QTY	DESCRIPTION
1	5/8"-24 HEX NUT
1	5/8" INTERNAL LOCK WASHER
1	O-RING 019 SILICONE

HARDWARE KIT 9100-0071 INCLUDES:

QTY	DESCRIPTION
2	10-32 HEX NUT 18-8 SS
2	#10 EXT TOOTH LOCK WASHER 4-10 SS

7090-0027
PAD PACKING

9090-1910
BGXZ-60NFNM-AS
ASSY BOXED

9100-0442
HARDWARE KIT

9100-2267
INSTRUCTION SHEET KIT

7070-0004
CARDBOARD BOX
8 X 6 X 6

7020-3433
3CC50030AAAA
LABEL

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

TOLERANCES:
X = ± .2 [5.08]
XX = ± .02 [.51]
XXX = ± .005 [.13]

FRACTIONS ± 1/32
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

PolyPhaser
an INFINITE brand

10701 Airport Road, Hayden, Idaho 83835, USA
Phone: 1.208.635.6400 | 1.800.882.9110
Fax: 1.208.762.6133
Website: www.PolyPhaser.com
E-mail: CustomerService@PolyPhaser.com

SIZE	CAGE CODE	DRAWN BY	PART NUMBER	
A	30992	DMAY	108-1019A	

SHEET	1	OF	1
SCALE		1:8	

REV: A

T-Rev.D

+1 800 882 9110 | PolyPhaser.com