

Coaxial RF Surge Protector Kit, 25x GT-NFF-AL



GT-NFF-AL25

Features

- Kit of 25x GT-NFF-AL
- Max Power 90W(RMS)
- Frequency range from DC to 6 GHz
- N-type connectors
- Waterproof IP67 rated
- DC Pass
- VSWR <1.1:1 Typical
- CE & RoHS compliant
- Bidirectional
- Mounting kits 9100-0526 sold separately

Applications

- WiFi
- GPS
- Land mobile radio

Description

RF surge protector (also known as lightning arrestor or surge arrestor) GT-NFF-AL25 from PolyPhaser utilizing a gas tube (GT or GDT). This RF surge protector component is manufactured in a coaxial design with wide operating frequency range. All PolyPhaser 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		6	GHz
Impedance		50		Ohms
VSWR		1.1:1	1.4:1	
Insertion Loss		0.1	0.35	dB
Operating Voltage (DC)			60	Volts
Input Power, CW	90W @ 30MHz 9W @ 3GHz		90	Watts
Surge Current			20	kA
IEC 61000-4-5 8/20µs Waveform				
Turn On Voltage		150		Volts

Mechanical Specifications

Size

Length	2.2 in [55.88 mm]
Width/Diameter	0.86 in [21.84 mm]
Height	0.86 in [21.84 mm]
Weight	2.3 lbs [1.04 kg]

Configuration

Input Connector	N Female
Output Connector	N Female

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Environmental Specifications

Temperature

Operating Range

-50 to +85 deg C

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.

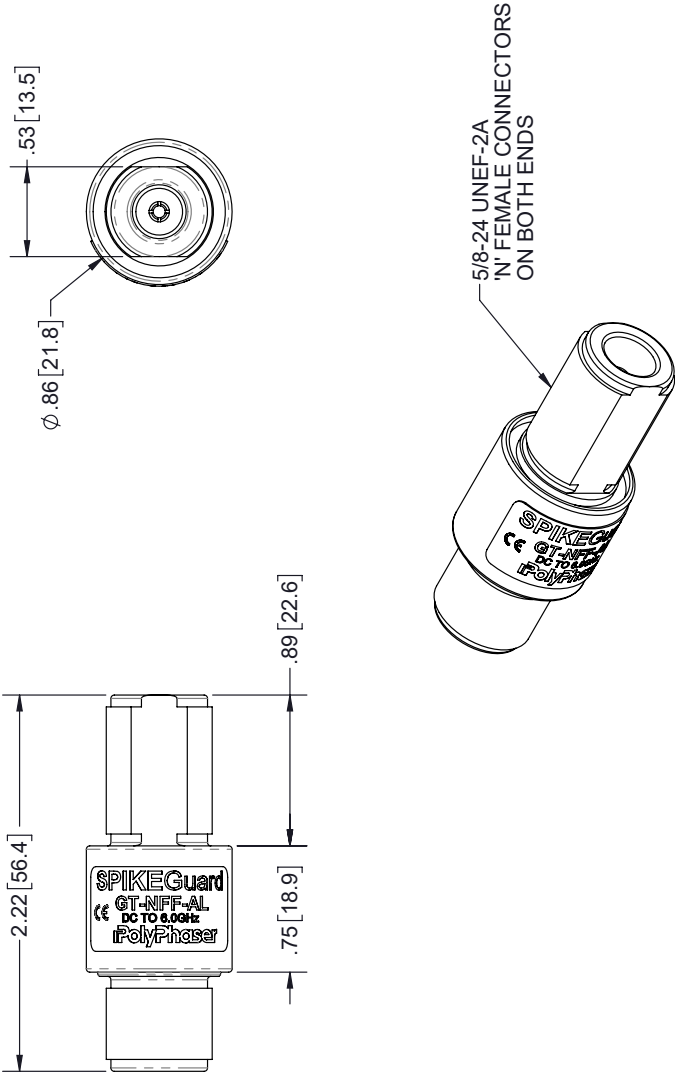
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Coaxial RF Surge Protector Kit, 25x GT-NFF-AL GT-NFF-AL25](#)

URL: <https://www.polyphaser.com/type-n-surge-protector-6ghz-gas-discharge-tube-gt-nff-al25-p.aspx>

The information contained within 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 liability arising out of the use of any part or document.

GT-NFF-AL25 CAD Drawing

Coaxial RF Surge Protector Kit, 25x GT-NFF-AL



HARDWARE INCLUDED:	
QTY	DESCRIPTION
1	4X6 4MIL POLYBAG
1	GAS TUBE 150 V

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]	±.125 / -0
12 [305] < L ≤ 60 [1524]	±.25 / -0
60 [1524] < L ≤ 120 [3048]	±.5 / -0
120 [3048] < L ≤ 300 [7620]	±.75 / -0
300 [7620] < L ≤ 594 [15000]	±.125 / -0

ALL DIMENSIONS SHOWN
ARE FOR REFERENCE ONLY.

PolyPhaser
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SIZE A CAGE CODE 30992 DRAWN BY DPM PART NUMBER GT-NFF-AL25

SCALE 1:1

REV A

THIRD-ANGLE PROJECTION

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