

## 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 arrester) 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	Gas Discharge Tube			
DC Handling	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			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]

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](#)

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### GT-NFF-AL25

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

### Environmental Specifications

#### Temperature

Operating Range	-50 to +85 deg C
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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-n-surge-protector-6ghz-gas-discharge-tube-gt-nff-al25-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.

**GT-NFF-AL25 CAD Drawing**

