High Performance N-Female to N-Female Bulkhead 0-3 GHz Lightning Protector
Model: AL-NFNFBHP-9

Applications and Features

Applications:
- IEEE 802.11b/g Wireless LAN applications
- MMDS
- Cellular applications
- Amateur radio applications

Features:
- Reliable Performance from DC ~ 3 GHz
- Bi-Directional Protection
- Protector will pass DC
- Easily Replaced Gas Tube Element
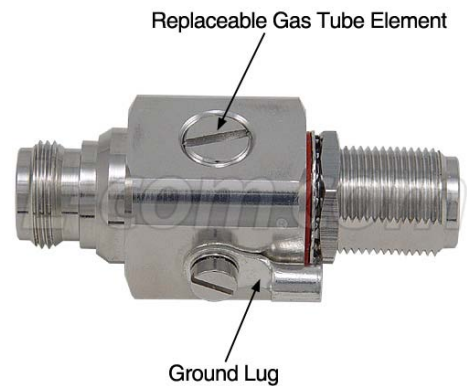- Multi-Strike Capability

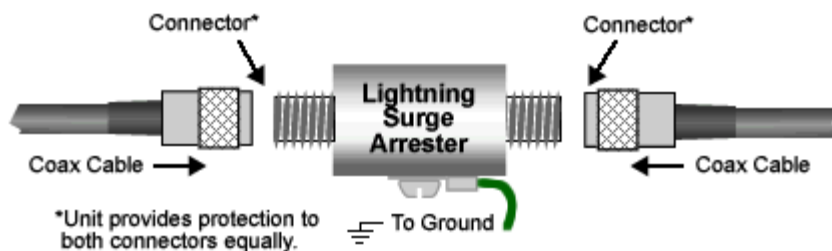**RoHS Compliant**

Description

The AL-NFNFBHP-9 is a very high-performance high power gas discharge tube suppressor featuring operation up to 3 GHz. This unit features a bulkhead N-Female connector with a rubber "O" Ring seal for mounting through an enclosure wall. An optional stainless steel mounting bracket is also available.

The design of this protector provides outstanding performance and reliability due to its internal components. A circular brass contact inside the AL-NFNFBHP ensures the gas tube is firmly seated as well as providing a better contact point for the gas tube. Most coaxial protectors are designed with only a thin pin that the gas tube sits on

Both connector ports of this unit are equally protected. This provides protection no matter which way it is installed. Either port can face the antenna and either port can face the equipment. A ground lug and terminal are provided directly on the lightning protector housing which provides superior grounding.

Note: The AL-NFNFBHP is for indoor use only.

Replaceable Gas Tube Element

Ground Lug

Connector*

Connector*

Coax Cable →

Lightning Surge Arrester

← Coax Cable

*Unit provides protection to both connectors equally.

To Ground

Specifications

Electrical Specifications

Frequency Range	0 - 3 GHz
VSWR	< 1.2
Insertion Loss	0.4 dB Max (0 - 3 GHz)
Impedance	50 Ohm
Gas Tube Breakdown Voltage	90 V

Mechanical Specifications

Connectors	N-Female to Bulkhead N-Female
Connector Body Material	Nickel Plated Brass
Body Material	Nickel Plated Brass
Pin Material	Gold Plated Brass
"O"-Ring Material	Rubber
Dimensions (L x H x W)	2.5 x 0.9 x 0.9 inches (64.7 x 25 x 25 mm)
Weight	0.29 lbs. (0.131 kg)
Operating Temperature	-67°F to 311°F (-55°C to +155°C)
RoHS Compliant	Yes

Guaranteed Quality

This Lightning Protector is backed by L-com's Limited Warranty.