

0-6 GHz Lightning Surge Protector, N-Female to N-Female Bulkhead

Model: AL6-NFNFB-9

Applications and Features

- Applications:**
- IEEE 802.11b and 802.11g Wireless LAN Applications
 - ISM
 - MMDS
 - Cellular
 - PCS Applications

- Features:**
- Reliable Performance from DC ~ 6 GHz
 - High Quality Construction
 - Easily Replaced Gas Tube Element
 - Multi-Strike Capability
 - Bi-Directional Protection / Protector will pass DC



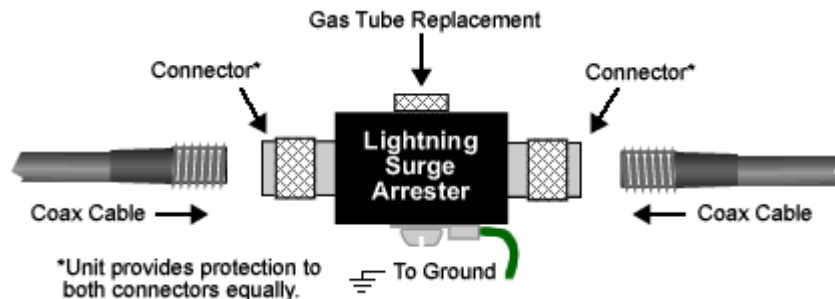
Product Description

The AL6-NFNFB is a very high-performance gas discharge tube suppressor featuring wide-band operation up to 6 GHz. The unit features a bulkhead N-Female connector with a rubber "O"-ring seal for mounting through an enclosure wall or using the included stainless steel mounting bracket.

Due to its superior RF performance this unit is ideal for IEEE 802.11a and other 5.2 - 5.8 GHz ISM and UNII applications, as well as 3.5 GHz WLL applications. Since this protector will pass DC it is suitable for applications where DC is carried through the coax cable such as remote amplifiers and LNA's.

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.

The unit's replaceable gas tube element, multi-strike capability and fast response time make it suitable for a wide range of applications. A ground lug and terminal is provided directly on the lightning protector housing, which provides superior grounding.



Specifications

Electrical Specifications

Frequency Range	0 - 6 GHz
VSWR	1:1.5 Max (0 - 6 GHz)
Insertion Loss	0.5 dB Max (0 - 6 GHz)
Impedance	50 Ohm
Gas Tube Breakdown Voltage	90 V \pm 20%
Gas Tube Impulse Breakdown Voltage	1000 V \pm 20%
Gas Tube Insulation Resistance	10,000 M Ω
Maximum Withstand Current	5 KA
RF Power Rating (CW)	10 W Continuous

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
Bracket Material	Stainless Steel
Ground Lug	10 AWG Max.
Dimensions (max)	64 x 23 x 34 mm (2.52 x .91 x 1.34 in)