

N-Male to N-Female Bulkhead 2.3 GHz to 2.7 GHz Quarter Wave Lightning Surge Protector

Model ALQ2-NMNFB

Applications and Features

- Applications:**
- IEEE 802.11b and 802.11g Wireless LAN Applications
 - 2.6 GHz MMDS Band
 - IEEE 802.16 and 802.20

- Features:**
- Reliable Performance
 - Competitively Priced
 - High Quality Construction
 - No Gas Tube Element to Replace
 - Multi-Strike Capability
 - Bi-Directional Protection
 - Compact Size
 - Optional Mounting Bracket Available
 - RoHS Compliant



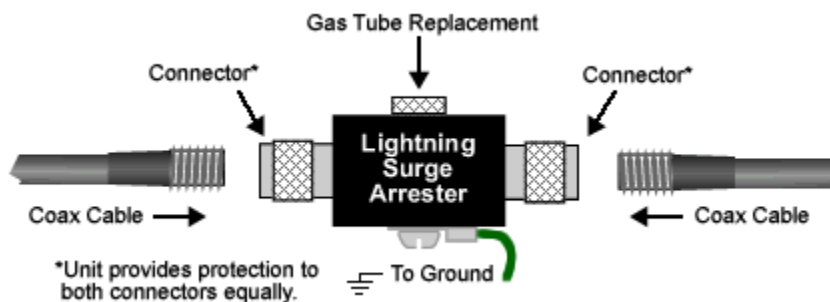
Product Description

The Model ALQ2-NMNFB is a Quarter Wave DC-Short suppressor operating at 2.4 GHz. This unit is designed to pass the desired frequency while suppressing lightning surges. The ALQ2-NMNFB functions like a signal filter, operating within 2300-2700 MHz. Lightning strike electrical surges which operate at low frequencies (outside the ALQ2-NMNFB's frequency range) are diverted through the protector's short-circuit to the ground.

The unit's non-gas tube design, multi-strike capability and fast response time make it suitable for a wide range of applications. Two ground lugs and terminals are provided directly on the lightning protector housing, which provides superior grounding. Due to its superior RF performance this unit is ideal for IEEE 802.11b, 802.11g and 802.11n applications.

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 or either port can face the equipment.

The ALQ2-NMNFB 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.



Operational Note: This 1/4 wave protector is not for use with coaxial cables carrying a DC voltage such as in the case of a remote-mounted amplifier or LNA. For applications requiring DC capability please see our Gas Tube version AL-NMNFB-9.

Specifications

Electrical Specifications

Frequency Range	2300-2700 GHz
Protector Complies With	IEC / IEEE Standard
VSWR	1:1.1 Max
Insertion Loss	0.1 dB Max
Impedance	50 Ohm
Nominal Discharge Current (8/20µs)	20 KA
Maximum Discharge Current (8/20µs)	50 KA
Output Power	200W

Mechanical Specifications

Connectors Complies With	MIL-C-71A, 39012 Standard
Connectors	N-Male to Bulkhead N-Female
Connectors Body Material	Silver Plated Brass
Body Material	Stainless Steel
Pin Material	Silver Plated Brass
"O"-Ring Material	Rubber
Dimensions (L x H x W)	2.7 x 1.7 x 0.9 inches (68.5 x 43.1 x 22.8 mm)
Weight	6.34 oz (180g)
Operating Temperature	-40°F to 212°F (-40°C to +100°C)
RoHS Compliant	Yes