7/16 DIN Female to Female Bulkhead Quarter Wave Lightning Surge Protector
Model: ALQ2-DFDFB

Applications

- Protect wireless devices and networks from damage due to lightning strikes
- Broadband wireless systems
- Protection Distributed Antenna Systems (DAS)
- Cellular band applications

Features

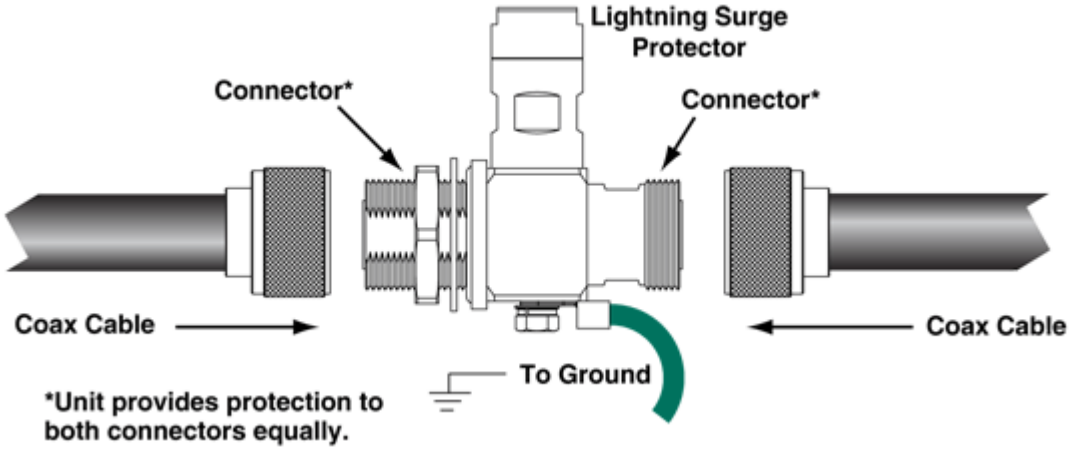
- Broadband protection – 800-2250 MHz
- Bi-directional, can be used in the transmit & receive paths
- No gas tube to replace
- Multi-strike capability
- High quality construction

Description

The ALQ2-DFDFB is a Broadband 1/4 Wave DC-Short suppressor designed for 800-2250 MHz applications. This unit is designed to pass the desired frequency while suppressing lightning surges. The ALQ2-DFDFB functions like a signal filter, operating within 800-2250 MHz. Lightning strike electrical surges which operate at low frequencies (outside the ALQ2-DFDFB operating 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. A ground lug is provided directly on the lightning protector's housing, which allow for superior grounding. Both connector ports of this suppressor are equally protected. This provides equal protection no matter which way it is installed.

The ALQ2-DFDFB features a 7/16 DIN Female Bulkhead connector with a rubber o-ring seal for mounting through an enclosure wall or panel.



L-com, Inc. 50 High St., West Mill, 3rd Floor, Suite #30 North Andover, MA 01845
www.L-com.com E-mail: sales@L-com.com Phone: 1-800-343-1455 Fax: 1-978-689-9484

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 coax protectors.

Specifications

Mechanical Specifications

Connectors	7/16 DIN Female to 7/16 DIN Female Bulkhead
Shell/Body Material	CuSnZn3 Plated Brass
Contact Material	Gold/CuSnZn3 Plated Brass/Phosphor Bronze
Insulator	PTFE
Durability	≥ 500 Cycles
Dimensions (Max L x H x W)	3.2 x 3.1 x 1.1 in. (83.5 x 79 x 28mm)
Weight	1.0 lb. (0.4 kg)
Temperature Range	-67°F to +311°F (-55°C to +155°C)
Reference Standard	IEC60169-4
RoHS Compliant	Yes

Electrical Specifications

Frequency Range	800-2250 MHz
Impedance	50 Ohm
Insertion Loss	0.1 dB Max.
Dielectric Withstanding Voltage	4000V (RMS)
Contact Resistance	Center Conductor ≤ 0.4mΩ Outer Conductor ≤ 1.5mΩ
Insulation Resistance	≥ 10000MΩ