



## 7/16 DIN M/F Quarter Wave RF Protector, DC to 4.5GHz, Low PIM

### RF Surge Protectors Technical Data Sheet

### ALQP-DMDF-ER

#### Features

- Extended Range Broadband Performance from 555 to 4,500 MHz
- DC Block Topology
- Repetitive Strike Protection
- Low PIM

#### Applications

- CBRS Networks
- Cellular
- Distributed Antenna Systems (DAS)
- Emergency Response Systems
- Public Safety Systems

#### Description

RF surge protector (also known as lightning arrestor) ALQP-DMDF-ER from L-Com utilizing a quarter wave stub design to protect critical hardware while maintaining the RF performance. This RF surge protector component is manufactured in a coaxial in-line design with wide operating frequency range. L-Com RF surge protector products are available in stock with same day shipping.

#### Electrical Specifications

Surge Protector Type		Quarter Wave Stub		
Description	Minimum	Typical	Maximum	Units
Frequency Range	0.555		4.5	GHz
Impedance		50		Ohms
VSWR			1.18:1	
Insertion Loss			0.1	dB
Passive Intermodulation			160	dBc
Input Power, CW			200	Watts
Surge Current IEC 61000-4-5 8/20µs			50	kA

#### Mechanical Specifications

##### Size

Length	2.87 in [72.9 mm]
Width/Diameter	0.98 in [24.89 mm]
Height	1.47 in [37.34 mm]
Weight	0.5 lbs [226.8 g]
Housing Material and Plating	Brass, Tri-Metal

##### Configuration

Input Connector	7/16 DIN Male
Output Connector	7/16 DIN Female

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [7/16 DIN M/F Quarter Wave RF Protector, DC to 4.5GHz, Low PIM ALQP-DMDF-ER](#)



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#### Environmental Specifications

##### Temperature

Operating Range

-40 to +85 deg C

**Compliance Certifications** (see [product page](#) for current document)

#### Plotted and Other Data

Notes:

Our portfolio includes cable assemblies, connectors, adapters and custom products, as well as their wireless product line which includes antennas, RF amplifiers, coaxial lightning and surge protectors, and NEMA rated enclosures.

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URL: <https://www.l-com.com/7-16-din-surge-protector-4.5ghz-quarter-alqp-dmdf-er-p.aspx>

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