

7/16 DIN M/F Quarter Wave RF Protector, 555 MHz to 4.5 GHz, Low PIM



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

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

Environmental Specifications

Temperature

Operating Range	-40 to +85 deg C
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Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

7/16 DIN M/F Quarter Wave RF Protector, 555 MHz to 4.5 GHz, Low PIM from L-com has same day shipment for domestic and International orders. Our portfolio includes coaxial cable assemblies, connectors, adapters and custom products as well as lightning and surge protectors, NEMA rated enclosures, and an RF product line which includes antennas, amplifiers, passive, and active components.

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

The information contained within this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part in order to implement improvements. L-com reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. L-com does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and L-com does not assume liability arising out of the use of any part or document.

ALQP-DMDF-ER CAD Drawing

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