

Type 7/16 DIN F/F Bulkhead Coaxial RF Surge Protector, 700MHz
- 2500MHz, DC Block, IP67, 30kA, Blocking Capacitor



AL-DSX-D

Features

- Surge Current of 30kA
- Power 1000W
- Frequency Range from 700MHz to 2500MHz
- 7/16 DIN Female to 7/16 DIN Female connectors
- VSWR 1.1:1 Typical
- Multi-strike capability
- Waterproof IP67 rated
- RoHS compliant

Applications

- WiFi
- GPS
- Land mobile radio
- Cellular

Description

RF surge protector (also known as lightning arrester) AL-DSX-D from PolyPhaser, utilizing a patented hybrid protection technology integrating a silicon avalanche suppression diode (SASD) and a MOV and gas tube, enables a quick response to a lightning surge 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. All PolyPhaser RF surge protector products are available in stock with same day shipping.

Electrical Specifications

Surge Protector Type
DC Handling

Blocking cap
DC Block

Description	Minimum	Typical	Maximum	Units
Frequency Range	0.7		2.5	GHz
Impedance		50		Ohms
VSWR			1.22:1	
Insertion Loss			0.1	dB
Operating Voltage (DC)			6	Volts
Input Power, CW			1	kWatts
Surge Current			30	kA
Throughput Energy			500	nJ

Mechanical Specifications

Size

Length	3.7 in [93.98 mm]
Width/Diameter	1.48 in [37.59 mm]
Height	1.48 in [37.59 mm]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications:
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Weight	0.55 lbs [249.48 g]
Housing Material and Plating	Aluminum
Configuration	
Input Connector	7/16 DIN Female
Output Connector	7/16 DIN Female

Environmental Specifications

Temperature	
Operating Range	-40 to +85 deg C
Ingress Protection (IP) Rating	IP67
Humidity	90%

Compliance Certifications

RoHS Compliant

Plotted and Other Data

Notes:

PolyPhaser protects and increases the reliability of global RF communications networks, including transportation, telecommunications, defense, security and industrial applications, with superior RF surge protection technologies including DC Block, DC Pass and Ultra Low PIM. Backed by responsive service and expert technical support PolyPhaser continually expands its product offering and services to serve engineers' urgent needs for RF components in mission critical communication networks.

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URL:

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AL-DSX-D CAD Drawing

T-Rev.D