![PolyPhaser an INFINITE brand]

Coaxial RF Surge Protector Kit, 24x 109-0501W-B and Mounting Hardware

8-24489

Features

- Surge Current of 20kA
- Max Power 750W
- Frequency Range from 700MHz to 1000MHz
- Passes 2.176MHz Telemetry Signal
- N Female to N Male connectors

- VSWR 1.1:1
- Low Insertion Loss
- Multi-strike capability
- CE & RoHS compliant

Applications

- Cellular

- Land mobile radio

Description

RF surge protector (also known as lightning arrester) 8-24489 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   Hybrid
DC Handling   DC Pass

Description	Minimum	Typical	Maximum	Units
Frequency Range	700		1,000	MHz
Impedance		50		Ohms
VSWR			1.1:1	
Insertion Loss			0.4	dB
Operating Voltage (DC)			15	Volts
Operating Current (DC)			4	A
Input Power, CW			750	Watts
Surge Current			20	kA
Turn On Voltage		16.5		Volts

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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Insertion Loss, Max	0.8	dB

Mechanical Specifications

Size

Length	3.22 in [81.79 mm]
Width/Diameter	2.69 in [68.33 mm]
Height	1.73 in [43.94 mm]
Weight	1 lbs [453.59 g]

Configuration

Input Connector	N Female
Output Connector	N Female

Environmental Specifications

Temperature

Operating Range	-50 to +85 deg C
Ingress Protection (IP) Rating	IP67
Humidity	95% Non-condensing, 100% External

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: https://www.polyphaser.com/8-24489-p.aspx

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8-24489 CAD Drawing

SIZE	CAGE CODE	DRAWN BY	PART NUMBER
A	30992	DMAY	8-24489

ITEM#	QTY	DESCRIPTION
1	24	5/8 INTERNAL TOOTH LOCK WASHER SS
2	24	SILICONE O-RING
3	24	5/8-24 HEX NUT SS
4	24	109-0501W-B
	1	INSTALLATION SHEET

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