

7/16 M/F Coaxial RF Surge Protector, 400MHz - 2.5GHz, 600W, IP67, 24 V Max., 1mJ, 40kA, Hybrid, Bracket Down, Hole Mount



## DGXE+24DMDF-A

### Features

- Surge current of 40kA
- Max Power 600W
- Frequency range from 400 MHz to 2.5 GHz
- Waterproof IP67 rated
- 7/16 DIN Male to 7/16 DIN Female connectors
- DC Pass
- VSWR <1.1:1
- Low insertion loss
- CE & RoHS compliant
- Directional

### Applications

- WiFi
- GPS
- Land mobile radio
- Cellular communications systems

### Description

RF surge protector (also known as lightning arrester or surge arrestor) DGXE+24DMDF-A from PolyPhaser, utilizing a patented hybrid protection technology integrating a silicon avalanche suppression diode (SASD), a Metal Oxide Varistor (MOV) and a gas tube (GT or GDT). 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

Hybrid  
DC Pass

Description	Minimum	Typical	Maximum	Units
Frequency Range	0.4		2.5	GHz
Impedance		50		Ohms
VSWR			1.1:1	
Insertion Loss			0.1	dB
Operating Voltage (DC)			24	Volts
Input Power, CW			600	Watts
Input Power, Peak			27	kWatts
Surge Current IEC 61000-4-5 8/20µs waveform		20	40	kA
Turn On Voltage	36.5	38		Volts
Throughput Voltage for 3kA, 8/20µs waveform			85	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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Throughput Energy for 3kA, 8/20μs waveform	1	mJ
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### Mechanical Specifications

Weight	1.1 lbs [498.95 g]
<b>Configuration</b>	
Input Connector	7/16 DIN Male
Output Connector	7/16 DIN Female

### Environmental Specifications

<b>Temperature</b>	
Operating Range	-50 to 85 deg C
Storage Range	-50 to +85 deg C
Ingress Protection (IP) Rating	IP67
Humidity	95%

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

### 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/7-16-din-surge-protector-2.5ghz-hybrid-dgxe-24dmdf-a>

The information contained in 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. PolyPhaser reserves the right to make such changes

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DGXE+24DMDF-A CAD Drawing

