

4.3-10 M/F Coaxial RF Surge Protector, 100MHz - 520MHz, DC Block, 750W, 20kA, Bracket Up



VHF50B43-MA-BU

Features

- 20kA surge rating
- Low let-through high pass filter design
- Bi-directional, repetitive strike protection
- 4.3-10 connectors both sides
- Broadband performance from 100 MHz to 520 MHz
- High CW and PIP RF power
- Excellent RF performance
- Waterproof IP67 rated
- CE & RoHS compliant

Applications

- VHF/UHF Range 1 and Range 2
- Land Mobile Radio
- Emergency response systems
- Public safety systems

Description

RF surge protector (also known as lightning arrestor) VHF50B43-MA-BU from PolyPhaser, protects critical hardware by maintaining extremely low let-through energy during transient surges, while maintaining the RF performance. This RF surge protector provides bi-directional repetitive strike protection over a wide operating frequency range. PolyPhaser RF surge protector products are available in stock with same day shipping.

Electrical Specifications

Surge Protector Type DC Handling		High Pass DC Block		
Description	Minimum	Typical	Maximum	Units
Frequency Range	100		520	MHz
Impedance		50		Ohms
Return Loss			26	dB
Insertion Loss			0.1	dB
Input Power, CW			750	Watts
Input Power, Peak			25	kWatts
Surge Current IEC 61000-4-5 8/20μs WAVEFORM			20	kA
Throughput Energy FOR 3kA, 8/20μs WAVEFORM			500	nJ

Mechanical Specifications

Size

Length	4.21 in [106.93 mm]
Width/Diameter	3.01 in [76.45 mm]
Height	1.66 in [42.16 mm]
Weight	1.15 lbs [521.63 g]

Configuration

Input Connector	4.3-10 Male
Output Connector	4.3-10 Female

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Environmental Specifications

Temperature

Operating Range

-50 to 85 deg C

Ingress Protection (IP) Rating

IP67

Humidity

99% (non-condensing)

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.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [4.3-10 M/F Coaxial RF Surge Protector, 100MHz - 520MHz, DC Block, 750W, 20kA, Bracket Up VHF50B43-MA-BU](#)

URL: <https://www.polyphaser.com/4.3-10-surge-protector-520mhz-high-pass-vhf50b43-ma-bu-p.aspx>

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