

UHF M/F Coaxial RF Surge Protector, 1.5MHz - 700MHz, DC Block, 2kW, 10mJ, 50kA, Blocking Cap, Bracket Up, Hole Mount



IS-B50LU-C0-MA

Features

- Surge current of 50kA
- Max Power 2kW
- Frequency range from 1.5 MHz to 700 MHz
- UHF Male to UHF Female connectors
- VSWR 1.2:1
- Multi-strike capability
- CE & RoHS compliant

Applications

- HF, UHF and VHF radios
- Ham radios
- Remote industrial monitoring

Description

RF surge protector (also known as lightning arrester or surge arrester) IS-B50LU-C0-MA from PolyPhaser, integrating a RF blocking capacitor with 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

Blocking Cap and Gas Tube
DC Block

Description	Minimum	Typical	Maximum	Units
Frequency Range	1.5		700	MHz
Impedance		50		Ohms
VSWR			1.2:1	
Insertion Loss			0.1	dB
Input Power, CW			2	kWatts
2kW @ HF Band				
375W @ VHF Band				
125W @ UHF Band				
Surge Current			50	kA
Throughput Energy for 3kA 8/20μs waveform			10	mJ

Mechanical Specifications

Width/Diameter

2.25 in [57.15 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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Height 2.5 in [63.5 mm]

Configuration

Input Connector UHF Male
Output Connector UHF Female

Environmental Specifications

Temperature

Operating Range -45 to 85 deg C
Storage Range -45 to +85 deg C

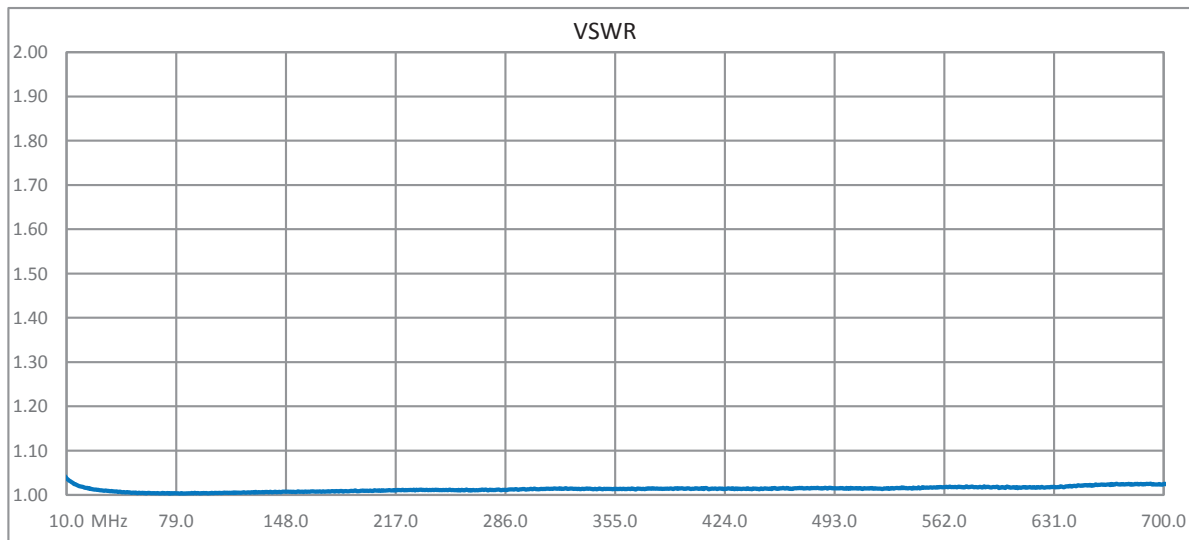
Ingress Protection (IP) Rating None
Vibration 1G at 5Hz to 100Hz

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

Plotted and Other Data

Notes:

Typical Performance Data



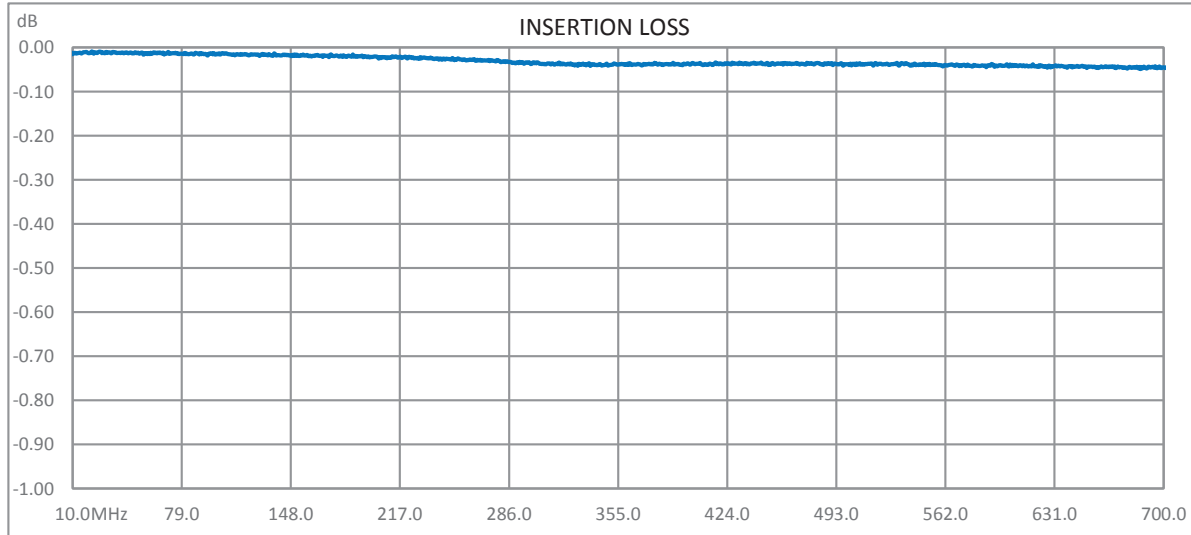
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PolyPhaser protects and increases the reliability of global RF communications networks, including transportation, telecommunications, defense, security and industrial applications, with superior RF surge protection technologies including DC Block, 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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IS-B50LU-C0-MA CAD Drawing

