

UHF F/M Coaxial RF Surge Protector, 50MHz - 700MHz, DC Block, 375W, 600uJ, 50kA, Blocking Cap, Bracket Up, Hole Mount



IS-50UX-C1-ME

Features

- Surge current of 50kA
- Max Power 375W
- Frequency range from 50 MHz to 700 MHz
- UHF Female to UHF Male 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-50UX-C1-ME 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	50		700	MHz
Impedance		50		Ohms
VSWR			1.2:1	
Insertion Loss			0.1	dB
Input Power, CW			375	Watts
375W @ VHF Band				
125W @ UHF Band				
Surge Current			50	kA
IEC 61000-4-5 8/20μs waveform 500 Joules				
Turn On Voltage		600 ±20%		Volts
Throughput Energy			600	uJ
for 2kV/ns				

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications:
[UHF F/M Coaxial RF Surge Protector, 50MHz - 700MHz, DC Block, 375W, 600uJ, 50kA, Blocking Cap, Bracket Up, Hole Mount IS-50UX-C1-ME](#)

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Mechanical Specifications

Weight 1 lbs [453.59 g]

Configuration

Input Connector UHF Female
Output Connector UHF Male

Environmental Specifications

Temperature

Operating Range -45 to +50 deg C
Storage Range -45 to +85 deg C

Ingress Protection (IP) Rating
Vibration

None
1G at 5Hz to 100Hz

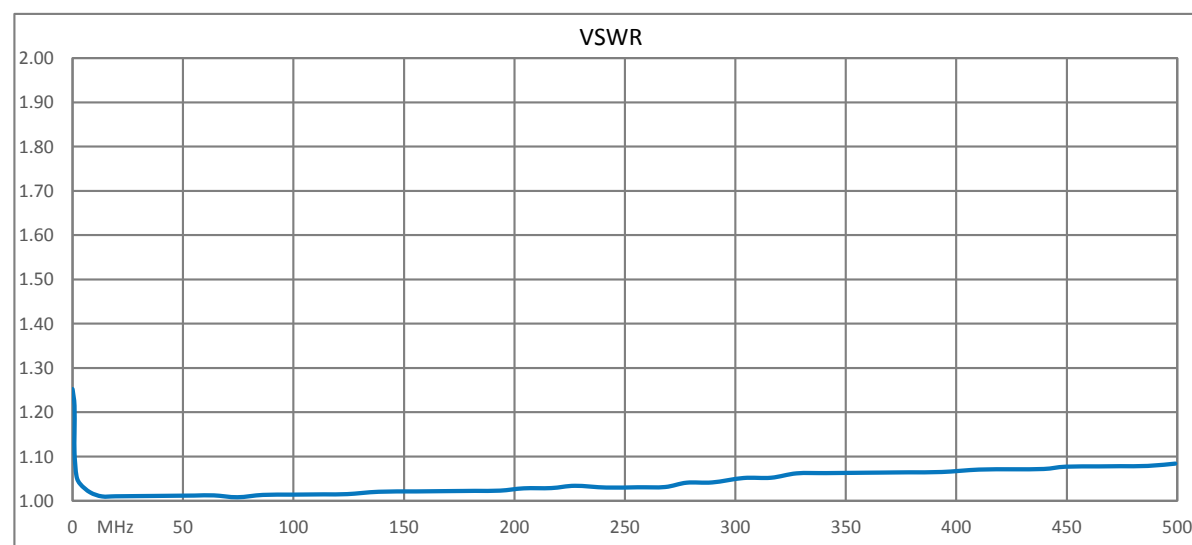
Compliance Certifications

CE

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-50UX-C1-ME CAD Drawing

