



Type N F/F In/Out Bulkhead Coax RF Surge Protector, 125MHz - 1GHz, DC Block, 200W, None, 250uJ, 50kA, Blocking Cap and Gas Tube

RF Surge Protectors Technical Data Sheet

PE73SP1029

Features

- Surge current of 50kA
- Max Power 200W
- Frequency range from 125 MHz to 1000 MHz
- N Female to N Female connectors
- VSWR 1.1:1
- Multi-strike capability
- Nuclear EMP protection
- CE & RoHS compliant

Applications

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

Description

RF surge protector (also known as lightning arrester) PE73SP1029 from Pasternack utilizing a proprietary surge protection technology protects critical hardware from lightening events while maintaining the RF performance. This RF surge protector component is manufactured in a coaxial in-line design with wide operating frequency range. Optional weather proofing kit and copper cleaning kit are available for purchase separately. All Pasternack 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	125		1,000	MHz
Impedance		50		Ohms
VSWR			1.1:1	
Return Loss			26	dB
Insertion Loss			0.1	dB
Input Power, CW			200	Watts
200W @ 125MHz TO 220MHz				
100W @ 220MHz TO 700MHz				
50W @ 700MHz TO 1000MHz				
Surge Current			50	kA
IEC 61000-4-5 8/20µs WAVEFORM				
Turn On Voltage		330 ±20%		Volts
Throughput Energy			250	uJ

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Type N F/F In/Out Bulkhead Coax RF Surge Protector, 125MHz - 1GHz, DC Block, 200W, None, 250uJ, 50kA, Blocking Cap and Gas Tube PE73SP1029](#)



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Protector, 125MHz - 1GHz, DC Block, 200W, None,
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Mechanical Specifications

Configuration

Input Connector

N Female

Output Connector

N Female

Environmental Specifications

Temperature

Operating Range

-50 to +50 deg C

Storage Range

-55 to +85 deg C

Ingress Protection (IP) Rating

None

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

Plotted and Other Data

Notes:

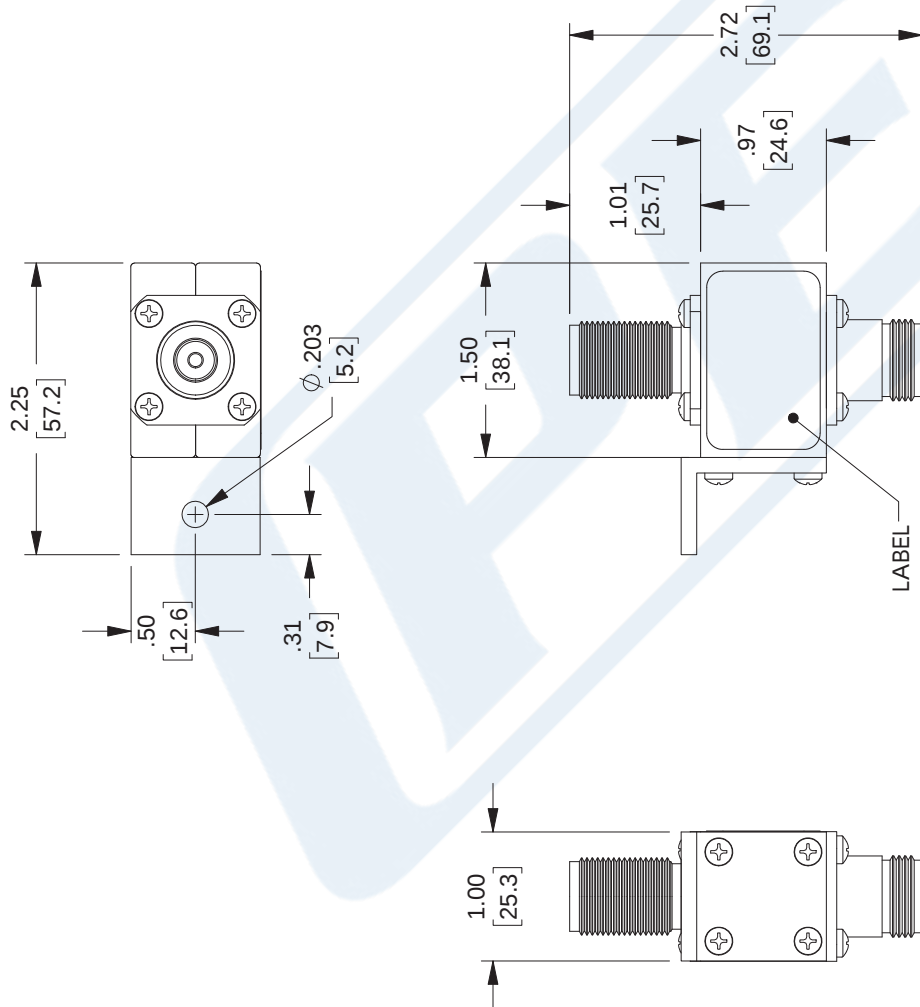
Type N F/F In/Out Bulkhead Coax RF Surge Protector, 125MHz - 1GHz, DC Block, 200W, None, 250uJ, 50kA, Blocking Cap and Gas Tube from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Type N F/F In/Out Bulkhead Coax RF Surge Protector, 125MHz - 1GHz, DC Block, 200W, None, 250uJ, 50kA, Blocking Cap and Gas Tube PE73SP1029](#)

URL: <https://www.pasternack.com/type-n-surge-protector-1ghz-blocking-cap-gas-tube-pe73sp1029-p.aspx>

PE73SP1029 CAD Drawing

Type N F/F In/Out Bulkhead Coax RF Surge Protector, 125MHz - 1GHz,
DC Block, 200W, None, 250uJ, 50kA, Blocking Cap and Gas Tube



NOTES:

HARDWARE INCLUDED.

REGULATORY COMPLIANCE:

CE2011/65/EU(RoHS DIRECTIVE)

STANDARD TOLERANCES

.X ±0.2
.XX ±0.01
.XXX ±0.005

*STANDARD TOLERANCES APPLY
ONLY TO DIMENSIONS IN INCHES



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DWG TITLE

PE73SP1029

NOTES:
1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.
2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.
3. DIMENSIONS ARE IN INCHES [mm].

CAGE CODE 53919

CAD FILE 3/22/18

SCALE N/A

SIZE A

256