



Type N F/F In/Out Bulkhead Coax RF Surge Protector, DC - 3GHz and 1GHz - 3GHz, DC Pass, 40W, IP67, 40kA, Gas Discharge Tube

RF Surge Protectors Technical Data Sheet

PE73SP1039

Features

- Surge current of 40kA
- Max Power 40W(RMS)
- Frequency range from DC to 3GHz
- N-type female connectors
- Waterproof IP67 rated
- DC Pass
- VSWR <1.2
- CE & RoHS compliant
- Bi-Directional

Applications

- WiFi
- GPS
- Land mobile radio

Description

RF surge protector (also known as lightning arrester) PE73SP1039 from Pasternack utilizing a proprietary gas tube 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. All Pasternack RF surge protector products are available in stock with same day shipping.

Electrical Specifications

Surge Protector Type
DC Handling

Gas Discharge Tube
DC Pass

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		3	GHz
Impedance		50		Ohms
VSWR			1.2:1	
Return Loss			26	dB
Insertion Loss			0.26	dB
Input Power, CW 40W @ 30MHz			40	Watts
Surge Current IEC 61000-4-5 8/20µs WAVEFORM			40,000	Amps
Turn On Voltage		150 ±20 %		Volts
Throughput Energy 8/20µsec 4kA SURGE PULSE			500	µJ

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, DC - 3GHz and 1GHz - 3GHz, DC Pass, 40W, IP67, 40kA, Gas Discharge Tube PE73SP1039](#)



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Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency Range	DC to 1	1 to 3				GHz
VSWR, Typ	1.1:1	1.2:1				
Insertion Loss, Max	0.1	0.25				dB

Mechanical Specifications

Configuration

Input Connector N Female
 Output Connector N Female

Environmental Specifications

Temperature

Operating Range -55 to 85 deg C

Ingress Protection (IP) Rating IP 67

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

Plotted and Other Data

Notes:

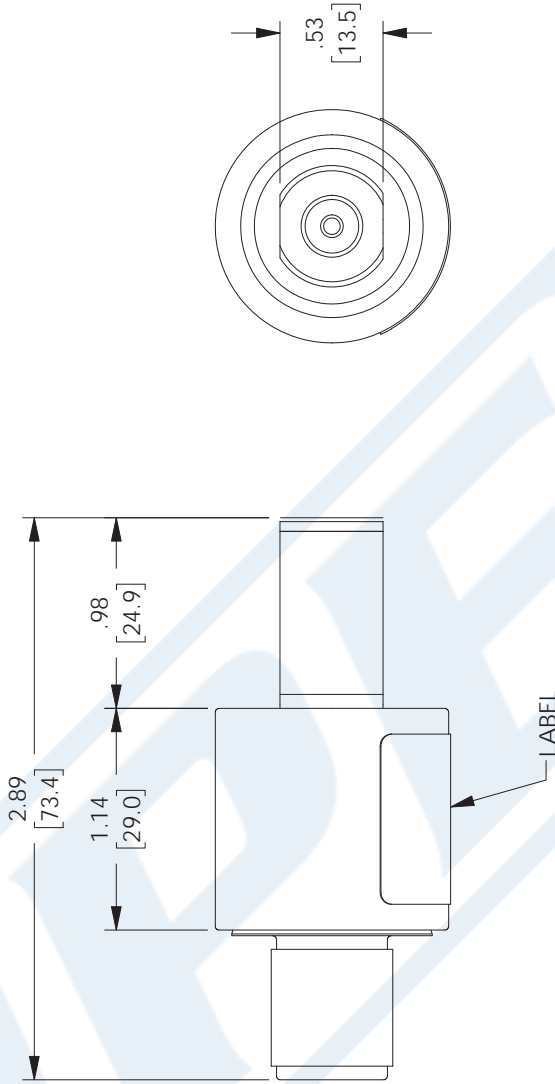
Type N F/F In/Out Bulkhead Coax RF Surge Protector, DC - 3GHz and 1GHz - 3GHz, DC Pass, 40W, IP67, 40kA, Gas Discharge Tube from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

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URL: <https://www.pasternack.com/type-n-surge-protector-3ghz-3ghz-gas-discharge-tube-pe73sp1039-p.aspx>

PE73SP1039 CAD Drawing

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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

PE73SP1039

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 3/23/18

SCALE N/A

SIZE A

256