



RF Surge Protector, Reverse Polarity TNC  
F/F, DC - 6GHz, DC Pass 60Vdc

## RF Surge Protectors Technical Data Sheet

**PE73SP1073**

### Features

- Broadband Performance from DC to 6 GHz
- Repetitive Lightning Strike Capability
- Bi-directional Protection
- Replaceable Gas Tube for Installation Longevity
- Robust Brass Construction

### Applications

- WiFi
- Wireless Base Stations
- Automotive
- Avionics
- Military Communications

### Description

RF surge protector (also known as lightning arrestor) PE73SP1073 from Pasternack Enterprise utilizing a gas discharge tube design to protect critical hardware while maintaining the RF performance. This RF surge protector component is manufactured in a coaxial in-line design with wide operating frequency range. Pasternack Enterprise RF surge protector products are available in stock with same day shipping.

### Electrical Specifications

| Surge Protector Type                  |         | Gas Discharge Tube |         |       |
|---------------------------------------|---------|--------------------|---------|-------|
| Description                           | Minimum | Typical            | Maximum | Units |
| Frequency Range                       | DC      |                    | 6       | GHz   |
| Impedance                             |         | 50                 |         | Ohms  |
| VSWR                                  |         |                    | 1.2:1   |       |
| Insertion Loss                        |         |                    | 0.6     | dB    |
| Operating Voltage (DC)                |         |                    | 60      | Volts |
| Input Power, CW                       |         |                    | 200     | Watts |
| Surge Current<br>IEC 61000-4-5 8/20µs |         | 5                  |         | kA    |
| Turn On Voltage                       |         | 90                 |         | Volts |

### Mechanical Specifications

|                              |                     |
|------------------------------|---------------------|
| Size                         |                     |
| Length                       | 2.08 in [52.83 mm]  |
| Width/Diameter               | 0.906 in [23.01 mm] |
| Height                       | 1.206 in [30.63 mm] |
| Weight                       | 0.5 lbs [226.8 g]   |
| Housing Material and Plating | Brass, Nickel       |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [RF Surge Protector, Reverse Polarity TNC F/F, DC - 6GHz, DC Pass 60Vdc PE73SP1073](#)



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### Configuration

Input Connector  
Output Connector

TNC Female Reverse Polarity  
TNC Female Reverse Polarity

### Environmental Specifications

#### Temperature

Operating Range

-40 to +85 deg C

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

### Plotted and Other Data

Notes:

RF Surge Protector, Reverse Polarity TNC F/F, DC - 6GHz, DC Pass 60Vdc 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.

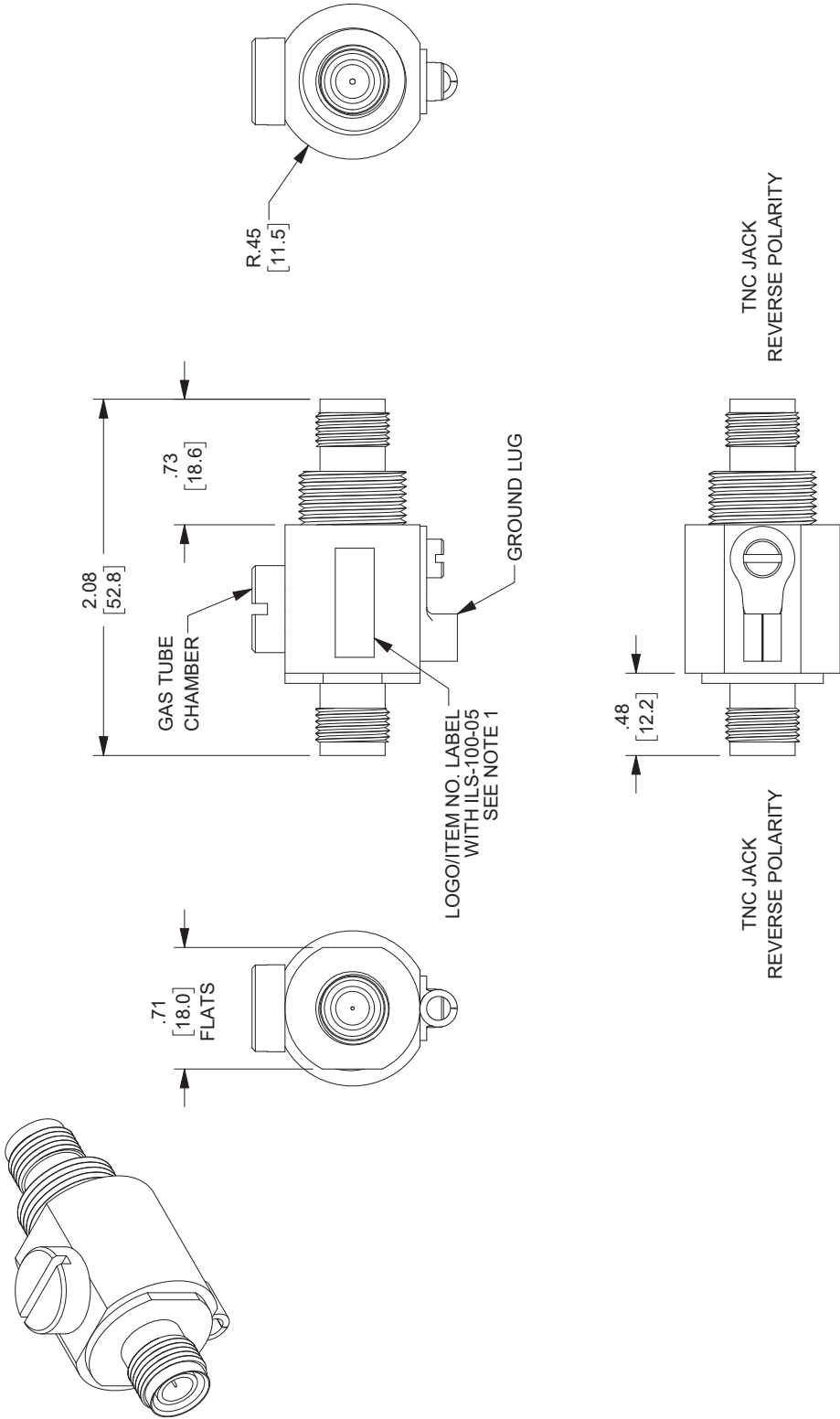
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URL: <https://www.pasternack.com/tnc-invalid-alias-lookup-for-surge-protector-6ghz-gas-discharge-tube-pe73sp1073-p.aspx>

PE73SP1073 CAD Drawing

RF Surge Protector, Reverse Polarity TNC F/F, DC - 6GHz, DC Pass 60Vdc

| REVISIONS |                 |          |          |
|-----------|-----------------|----------|----------|
| REV.      | DESCRIPTION     | DATE     | APPROVED |
| A         | INITIAL RELEASE | 04/11/22 | DREBECK  |



NOTES:  
1. SEE LABEL SPECIFICATION ILS-100.  
FOR INTERNAL REFERENCE ONLY.

|                                                                                                  |             |
|--------------------------------------------------------------------------------------------------|-------------|
| UNLESS OTHERWISE SPECIFIED<br>LEADING DIMENSIONS ARE INCHES<br>DIMENSIONS IN [ ] ARE MILLIMETERS |             |
| TOLERANCES:                                                                                      |             |
| X = +.2 [5.08]                                                                                   | FRACTIONS   |
| XX = +.02 [ .51]                                                                                 | +132        |
| XXX = ±.005 [ .13]                                                                               | ANGLES ± 1° |
| CABLE LENGTH (L) TOLERANCES:                                                                     |             |
| L ≤ 12 [305] = +1 [25] / -0                                                                      |             |
| 12 [305] < L ≤ 60 [1524] = +2 [51] / -0                                                          |             |
| 60 [1524] < L ≤ 120 [3048] = +4 [102] / -0                                                       |             |
| 120 [3048] < L ≤ 300 [7620] = +6 [152] / -0                                                      |             |
| 300 [7620] < L = +5% / -0                                                                        |             |
| ALL DIMENSIONS SHOWN<br>ARE FOR REFERENCE ONLY.                                                  |             |

|                                                                                                                                                                                                   |                                                                                                                       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| <b>PE PASTERNAK</b><br>an INFINITI® brand                                                                                                                                                         |                                                                                                                       |
| Pasternack Enterprises, Inc.<br>P.O. Box 16759, Irvine, CA 92623.<br>Phone: 1.949.261.1920   1.866.727.8376<br>Fax: 1.949.261.7451<br>Website: www.pasternack.com<br>E-mail: sales@pasternack.com |                                                                                                                       |
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| SHEET 1                                                                                                                                                                                           | OF 1                                                                                                                  |
| SCALE N/A                                                                                                                                                                                         |                                                                                                                       |
| SIZE A                                                                                                                                                                                            | CAGE CODE 53919                                                                                                       |
| DRAWN BY DFRISIELLO                                                                                                                                                                               | ITEM NO. PE73SP1073                                                                                                   |
| REV A                                                                                                                                                                                             | REV A                                                                                                                 |

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