

## Data Surge Protector SPD FSP Indoor T1, Dial-Up Screw Terminal SASD, GDT 280 V

**1101-372-6**



### Features

- Models for Wide Range of Balanced Pair Voltages
- Terminal Block Connectivity
- Dedicated Ground Stud
- Wall Mount

### Applications

- T1/Dial-up Networks
- Telecommunications Base Stations
- WISP/ISP
- IT & Data Centers
- Point-to-Point Links
- Control Lines and Sense Loops
- Oil & Gas

### Description

Data surge protector (also known as SPD or lightning protector) 1101-372-6 from Transtector is an indoor style SPD that utilizes state of the art SASD/GDT technology to protect critical equipment in T1, Dial-Up protocol data networks while remaining transparent to data throughput. This surge protector provides effective protection against electrical transient surges that are generated both by external lightning events and by internal switching events and supports long-term system reliability by absorbing high amounts of transient energy while maintaining a very low clamping voltage. Transtector Data Signal surge protectors are available in stock with same day shipping.

### Electrical Specifications

| Description          | Minimum | Typical        | Maximum | Units |
|----------------------|---------|----------------|---------|-------|
| Connectors           |         | Screw Terminal |         |       |
| Data Protocols       |         | T1, Dial-Up    |         |       |
| Data Rate            |         |                | 1.5     | Mb/s  |
| Capacitance (Common) |         |                | 30      | pF    |
| Vdc Rating (Data)    |         | 280            | 290     | Vdc   |

### Surge Protection Specification

| Description                 | Minimum | Typical    | Maximum | Units |
|-----------------------------|---------|------------|---------|-------|
| Surge Protection Technology |         | SASD, GDT  |         |       |
| Protection Modes            |         | L-G, L-L   |         |       |
| 10/1000µs Surge Current     |         |            |         |       |
| L-G                         |         |            | 21.4    | A     |
| 8/20µs Surge Current        |         |            |         |       |
| L-G                         |         |            | 10      | kA    |
| Vpl 8/20µs                  |         | 500 @ 10kA |         | Vpk   |
| L-G                         |         |            |         |       |

## Data Surge Protector SPD FSP Indoor T1, Dial-Up Screw Terminal SASD, GDT 280 V

**1101-372-6**



### Surge Protection Specification

| Description   | Minimum | Typical | Maximum | Units |
|---------------|---------|---------|---------|-------|
| Response Time |         |         | 5       | ns    |

### Mechanical Specifications

#### Size

|                |          |            |
|----------------|----------|------------|
| Length         | 2.2 in   | [55.88 mm] |
| Width/Diameter | 3.16 in  | [80.26 mm] |
| Height         | 1.44 in  | [36.58 mm] |
| Weight         | 0.25 lbs | [113.4 g]  |

### Environmental Specifications

#### Temperature

|                       |                  |
|-----------------------|------------------|
| Operating Temperature | -40 to +85 deg C |
| Storage Temperature   | -40 to +85 deg C |

### Installation

|            |           |
|------------|-----------|
| Mount Type | Wall      |
| Grounding  | 6-32 Stud |

### Compliance Certifications

Transtector Systems specializes in protection of highly sensitive, low voltage equipment through its patented, non-degrading silicon diode technology and custom filters. Our power quality expertise translates into a diverse product offering including AC, DC, and signal applications as well as integrated cabinets, power distribution panels and EMP hardened devices.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Data Surge Protector SPD FSP Indoor T1, Dial-Up Screw Terminal SASD, GDT 280 V 1101-372-6](https://www.transtector.com/data-surge-protector-spd-fsp-indoor-t1-1101-372-6)

URL: <https://www.transtector.com/data-surge-protector-spd-fsp-indoor-t1-1101-372-6>

The information contained within this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part in order to implement improvements. Transtector reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Transtector does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Transtector does not assume liability arising out of the use of any part or document.

Data Surge Protector SPD FSP Indoor T1, Dial-Up Screw Terminal SASD, GDT 280 V

T-Rev. D