

## Data Surge Protector SPD TSJ Indoor 10/100 Base-T Ethernet/24Vdc PoE Shielded RJ45 SASD, MOV, GDT

### 1101-1068 TSJ PoE 24



#### Features

- 10/100 Base-T Ethernet/24Vdc PoE
- RJ-45 Connectivity
- Dedicated Ground Lug
- Wall Mount

#### Applications

- 10/100 Base-T Ethernet/24Vdc PoE 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) 1101-1068 from Transtector is an indoor style SPD that utilizes state of the art SASD/MOV/GDT technology to protect critical equipment in 10/100 Base-T Ethernet/24Vdc PoE 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		Shielded RJ45		
Compatible Cables		Cat5/5e UTP/STP, Cat6/6A STP		
Data Protocols		10/100 Base-T Ethernet/24Vdc PoE		
Data Rate			100	Mb/s
Series Impedance (Data)			1	Ohms
Power over Ethernet Protocols		PoE		
Vdc Rating (Data)		24	28	Vdc
Voltage Rating (DC)			6	Vdc
PoE Power			42	W
PoE Current Per Pin			1.78	A

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 TSJ Indoor 10/100 Base-T Ethernet/24Vdc PoE Shielded RJ45 SASD, MOV, GDT 1101-1068](#)

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### Surge Protection Specification

Description	Minimum	Typical	Maximum	Units
Surge Protection Technology		SASD, MOV, GDT		
Protected Pins		[1,2], [3,6], [4,5], [7,8]		
Protection Modes		L-G, L-L		
10/1000 $\mu$ s Surge Current				
L-G			100	A
L-L			100	A
8/20 $\mu$ s Surge Current				
L-G			3	kA
L-L			3	kA
Response Time			5	ns

### Mechanical Specifications

#### Size

Height	2.2 in	[55.88 mm]
Width	3.16 in	[80.26 mm]
Depth	1.63 in	[41.4 mm]
Weight	0.15 lbs	[68.04 g]

### Environmental Specifications

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

Mount Type	Wall
Grounding	1/4-20 Stud

### Compliance Certifications

RoHS Compliant	Yes
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Data Surge Protector SPD TSJ Indoor 10/100 Base-T  
Ethernet/24Vdc PoE Shielded RJ45 SASD, MOV, GDT

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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.

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URL: <https://www.transtector.com/data-surge-protector-spd-tsj-indoor-10-1101-1068-p.aspx>

The information contained in 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 any liability arising out of the use of any part or documentation.

1101-1068 CAD Drawing

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	1/17/19	DWR
B	REFER TO PCR	10/12/20	RJS

  

4X WALL MOUNTING TABS

2X RJ-45 JACKS LINE/EQUIP

1/4-20 GROUND STUD

UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [ ] ARE MILLIMETERS

TOLERANCES:

X ± .2	[5.08]	FRACTIONS
XX ± .02	[.51]	± 1/32
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 ARE FOR REFERENCE ONLY.

THIRD-ANGLE PROJECTION

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SCALE 1:1

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SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	30992	HMB	1101-1068	B

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