

Data Surge Protector SPD TSP 9001 Indoor RS-422 Wired Leads SASD

1100-054
TSP 9001



Features

- 100% SASD Protection
- Low Frequency DC, Communications Pairs
- Wired Lead Connectivity

Applications

- RS-422 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) 1100-054 from Transtector is an indoor 9001 style SPD that utilizes state of the art SASD technology to protect critical equipment in RS-422 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		Wired Leads		
Data Protocols		RS-422		
Data Rate			1.5	Mb/s
Series Impedance (Data)			33	Ohms
Vdc Rating (Data)			13	Vdc

Surge Protection Specification

Description	Minimum	Typical	Maximum	Units
Surge Protection Technology		SASD		
Protection Modes		L-L, L-G		
8/20 μ s Surge Current				
L-G			0.5	kA
L-L			0.5	kA

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 TSP 9001 Indoor RS-422 Wired Leads SASD 1100-054](#)

Data Surge Protector SPD TSP 9001 Indoor RS-422 Wired Leads SASD

1100-054
 TSP 9001



Vpl 8/20μs			
L-G	16 @ 500A		Vpk
L-L	16 @ 500A		Vpk
Response Time		5	ns

Mechanical Specifications

Size

Height	2.2 in	[55.88 mm]
Width	3.16 in	[80.26 mm]
Depth	0.88 in	[22.35 mm]
Weight	0.22 lbs	[99.79 g]

Environmental Specifications

Operating Temperature	-30 to +65 deg C
Storage Temperature	-30 to +65 deg C
Environmental Protection Rating	IP20
Mount Type	Wall
Grounding	Spade connector

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 TSP 9001 Indoor RS-422 Wired Leads SASD 1100-054](#)

URL: <https://www.transtector.com/data-surge-protector-spd-tsp-9001-indoor-1100-054-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.

1100-054 CAD Drawing

REVISIONS		
REV.	DESCRIPTION	DATE
A	INITIAL RELEASE	1/10/19
B	REFER TO PCR	10/13/20
APPROVED		DWR
		RJS

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% L / -0

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

THIRD-ANGLE PROJECTION

THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF TRANSTECTOR, INC. ALL RIGHTS RESERVED.

SHEET 1 OF 1

SCALE 1:2

TRANSTECTOR

an INFINIT[®] brand

10701 Airport Road, Hayden, ID 83835

Phone: 1.208.635.6400 | 1.800.882.9110

Fax: 1.208.955.2041

Website: www.transvector.com

E-mail: sales@transvector.com

SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	30992	HMB	1100-054	B

THESE COMMODITIES, TECHNOLOGY OR SOFTWARE WERE EXPORTED FROM THE UNITED STATES IN ACCORDANCE WITH THE EXPORT ADMINISTRATION REGULATIONS. DIVERSION CONTRARY TO U.S. LAW PROHIBITED.