TRANSTECTOR
an INFINITE brand

Data Surge Protector SPD TSJ Indoor Gigabit Ethernet Shielded RJ45 GDT, TBU, UL 497B



1101-990
TSJ GbE

Features

- Gigabit Ethernet
- RJ-45 Connectivity
- Dedicated Ground Lug
- Wall Mount

Applications

- Gigabit Ethernet 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) 1101-990 from Transtector is an indoor style SPD that utilizes state of the art TBU/GDT technology to protect critical equipment in Gigabit Ethernet 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		Gigabit Ethernet		
Data Rate			1,000	Mb/s
Series Impedance (Data)			9	Ohms
Capacitance (Differential)			4	pF
Capacitance (Common)			4	pF
Vdc Rating (Data)		3.3	11	Vdc

Surge Protection Specification

Description	Minimum	Typical	Maximum	Units
Surge Protection Technology		GDT, TBU		
Protected Pins		[1,2], [3,6], [4,5], [7,8]		

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 Gigabit Ethernet Shielded RJ45 GDT, TBU, UL 497B 1101-990

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Protection Modes	L-G, L-L	
10/1000µs Surge Current		
L-G	500	A
L-L	500	A
8/20µs Surge Current		
L-G	5	kA
L-L	5	kA
Response Time	75	ns

Mechanical Specifications

Size

Height	2.2 in	[55.88 mm]
Width	3.21 in	[81.53 mm]
Depth	1.64 in	[41.66 mm]
Weight	1 lbs	[453.59 g]

Environmental Specifications

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

Installation

Mount Type	Wall
Grounding	1/4-20 Stud

Compliance Certifications

UL Compliant	Yes
Certifications	UL 497B

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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.

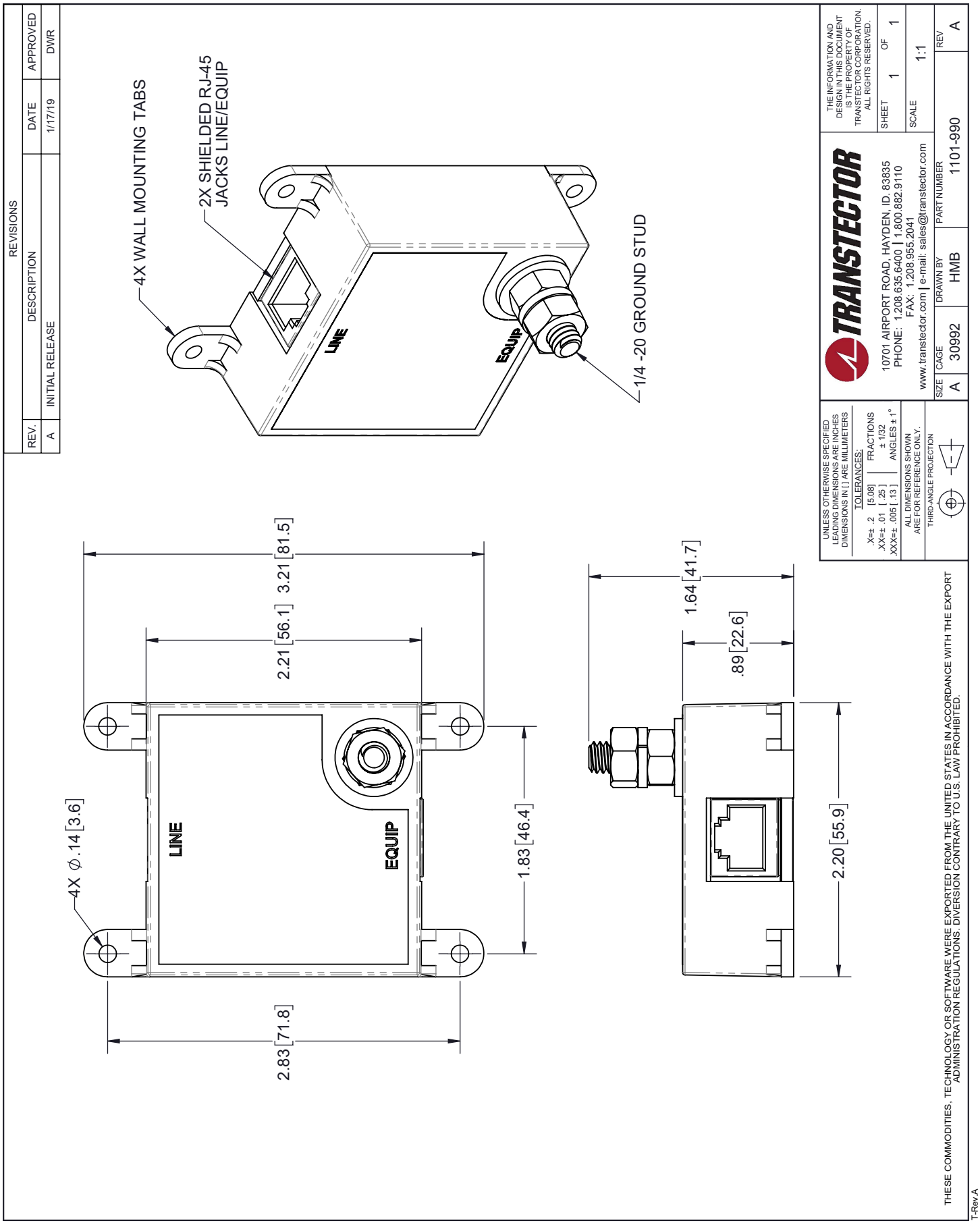
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URL: https://www.transtector.com/data-surge-protector-spd-tsj-indoor-gigabit-1101-990-p.aspx

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1101-990 CAD Drawing



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