

REVISIONS				
REV.	DESCRIPTION	ECN	DATE	APPROVED
A	NEW RELEASE	DD72049	8-1-11	LC

MAXIMUM CHARACTERISTICS

Application:

The TSJ-PoE Series surge suppressors are designed to protect equipment from transient over-voltages on Power and Ethernet applications. The DC power terminal is connected directly to the positive pins (4,5) and the negative pins (7,8) of the RJ45 jack and when connected to a DC power supply it provides power for the Power and Ethernet circuit. The suppression protects the Ethernet circuit by limiting the magnitude of transient over-voltages that are present on each pair relative to each other and relative to ground.

Electrical Performance:

Connector Style (data): Shielded RJ45 Jacks

Data Rate: up to 100Mb/s

Protected Data RJ 45 Pins: (1,2) and (3,6)

Protection Modes: L-L & L-G

Nominal Operating Voltage: 5Vdc

Maximum Continuous Operating Voltage: 6Vdc

Maximum Surge:

100A, 10/1000µS (CORE 1089), L-L, L-G

3kA, 8/20µS (IEC 61000-4-5), L-L, L-G

Breakdown Voltage:

±9Vdc

Series Resistance:

0.4 Ohms Typical

Maximum Holding Current:

750mA @ +20 °C

1100mA @ -40 °C

390mA @ +85 °C

Connector Style (DC): Shielded RJ45 Jacks

Protected DC Power Pins: (4,5) and (7,8)

Nominal Operating Voltage: 24Vdc

Maximum Continuous Operating Voltage: 28Vdc

Breakdown Voltage: ±33Vdc

Series Resistance: 0.05 Ohms Typical

Maximum Holding Current:

3.0A @ +20 °C

4.13A @ -40 °C

1.78A @ +85 °C

Mechanical:

Enclosure Description: The suppressor is housed inside a black, non-metallic module rated to UL 94-5V.

Max Dimensions:

(H x W x D) in: 3.2 x 2.2 x 1.7

Weight: 0.15lbs

Installation Requirements:

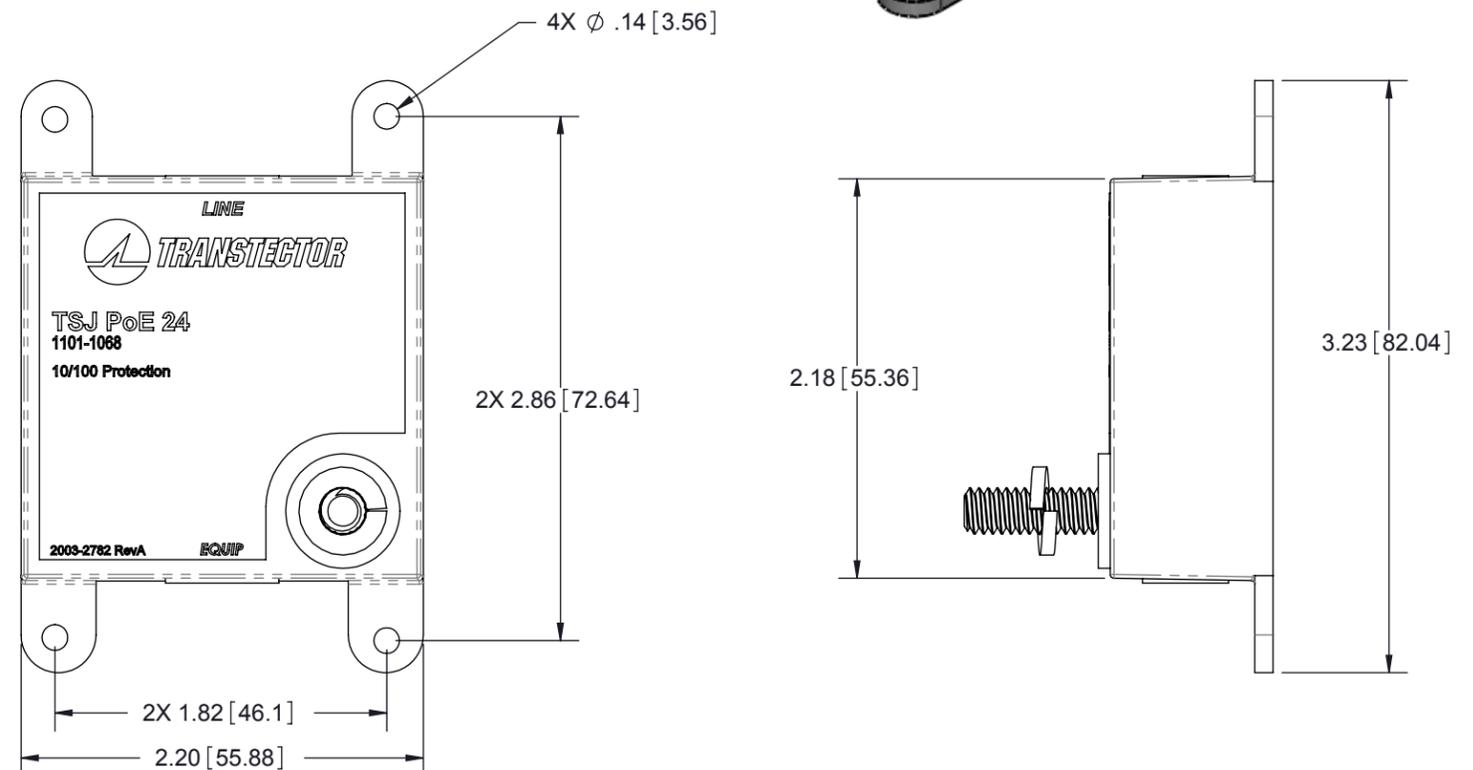
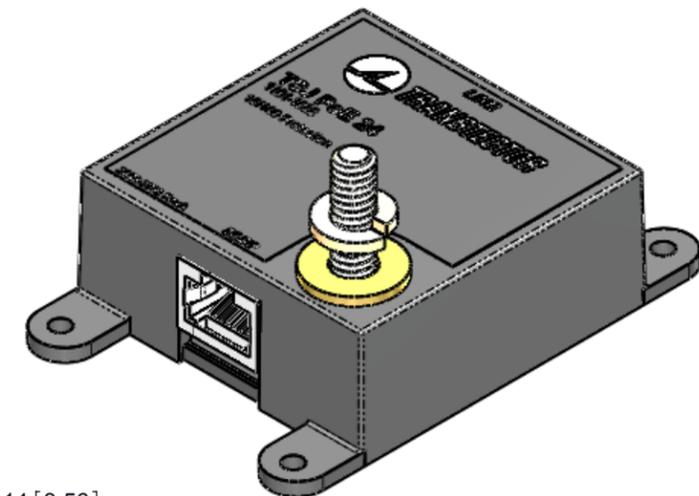
Connections: One (1) RJ-45 receptacle (LINE), One (1) RJ-45 receptacle (EQUIP). One (1) ¼-20 ground lug.

Environmental:

Operating/Storage temperature: -40 °C to +85 °C

Relative Humidity: 99% (non-condensing)

RoHS Compliant.



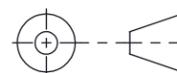
CUSTOMER APPROVAL: _____ DATE: _____

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS TOLERANCES: FRACTIONS=± 1/32 .XX=± .01 ANGLES=± 1 ° .XXX=± .005 MATERIAL NOTED	DRAWN	BGT	DATE	 TSJ PoE 24 CUSTOMER SPECIFICATION				
	ENG APPD	LC	7/28/11					
	PRODUCT MGR	SD	10/10/11					
	MARKETING APPD	LJ	10/10/11					
	PROJECT NO.	DD72049			SIZE	CAGE	PART NUMBER	REV
					B	30992	1101-1068	A
					SCALE	1:1	DOCUMENT NAME	SHEET 1 OF 1
							1101-1068-C	

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THIRD-ANGLE PROJECTION



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