REVISIONS

LTR	DESCRIPTION	ECN.	DATE	APPROVED
A	PRODUCTION RELEASE	PE006	7/28/04	JDW
B	UPDATE SPEC	5483	11/18/04	DWR
C	UPDATE FOR 5KP DESIGN	5680	4/13/05	JDW
D	UPDATE TEMP FROM 65° TO 75°	5831	7/21/05	MLH

Actual unit may differ from picture.

DRAWN: BAT	DATE 7/28/04	
CHECKED: RRR	8/3/04	
ENGR. APPD: CDD	8/3/04	
PROJ. APPD: JDW	8/3/04	
APPROVED:		

Transtector Systems, Inc.
10701 Airport Road, Hayden, ID 83835
800.882.9110 208.772.8515 www.transtector.com

TITLE:

TSJ-6A-CLT-GT SPECIFICATION

SIZE	CAGE	DRAWING NUMBER	REV
A	30992	1400-537	D

SCALE = N/A

SUPPRESSOR PERFORMANCE SPECIFICATIONS

MODEL: TSJ-6A-CLT-GT

1. GENERAL DESCRIPTION:

The TSJ-6A-CLT-GT Surge Suppressor is a high speed, high current, silicon avalanche diode/gas tube arrestor hybrid device designed to protect equipment from transient over voltages on data lines. Continuous bi-polar, bi-directional, non-interrupting protection is provided. The TSJ-6A-CLT-GT automatically resets after each suppression function with no degradation of protection capabilities. This suppressor utilizes a robust hybrid circuit with gas tubes directly across the input wiring terminal block to achieve the maximum efficacy of surge performance. The unit is fused as required by UL 497A. At maximum power dissipation the suppressor will not exceed the maximum voltage protection level. It is housed inside a non-metallic enclosure with a U.L. fire rating of 94-V0. It attaches via two modular RJ-11 receptacles or two (2) four position terminal blocks. It includes a ground stud that must be connected to system ground.

2. ELECTRICAL SERVICE:

2.1. Maximum Continuous Operating Voltage: ..... 160V Peak
2.2. Connector Type: .....(2) RJ-11 Jack/6 Pos, (2) 4 Pos. Terminal Block
2.3. Full Mode Protection (to GND, to each other):.....Pins 2,3,4,5
2.4. Pass-Thru:.....Pins 1,6

3. ELECTRICAL PERFORMANCE:

3.1. Turn-on Voltage (SASD):.....V_{br} ~ 200V @ 1mA
3.2. Maximum Voltage Protection Level (10/1000μs):.....$300V_p$@100A
3.3. Maximum Voltage Protection Level (8/20μs):.....$500V_p$@3kA
3.4. Response Time (Max): .....<5ns
3.5. Max. Leakage Current: 2μA

4. ENVIRONMENTAL:

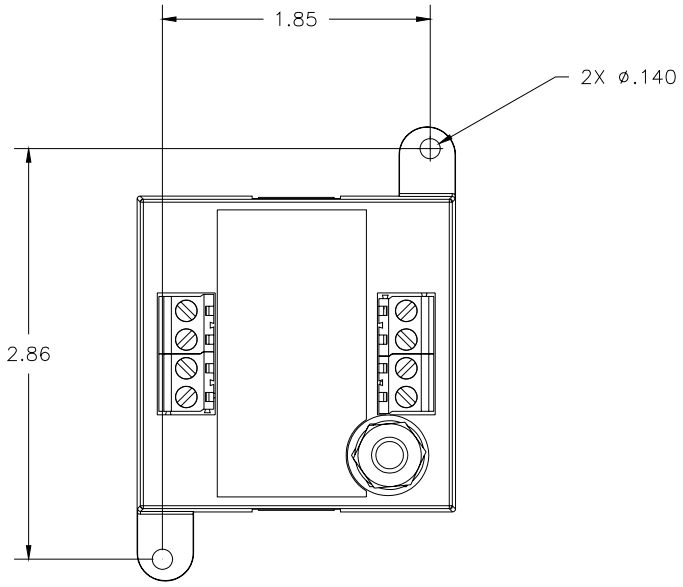
4.1. Temperature (Operating and Storage): .....-30° to +75° C
4.2. Relative Humidity:..... 90%

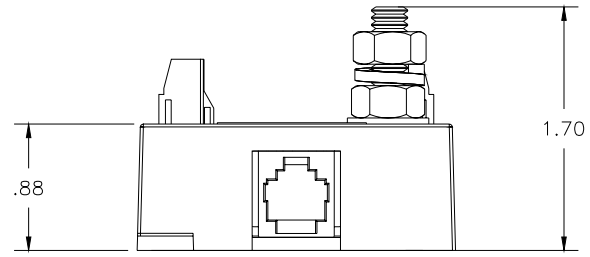
5. MECHANICAL:

5.1. Dimensions: ..... 2.2” X 3.16” X 0.88”
5.2. Weight: ..... 0.15 lb
5.3. UL Material Flame Rating..... 94-V0

6. INSTALLATION REQUIREMENTS:

6.1. Connections: One (1) RJ11 receptacle (input), one (1) RJ11 receptacle (output) or one (1) four position terminal block (input) and one (1) four position terminal block (output) [both sized for 12 to 28 gauge wire] and one ground lug (1/4-20). **NOTE: Cut the ground lead as short as possible for optimum suppression. For optimum arrestor performance, utilize the terminal block connections.**





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A	30992	1400-537	D
SCALE = N/A			Page 3 OF 3