

These Commodities, or technology are exported from the U.S. in accordance with the Export Administration Regulations. Diversion contrary to U.S. law prohibited.

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	 Transtector Systems, Inc. 10701 Airport Road, Hayden, ID 83835 800.882.9110 208.772.8515 www.transtector.com			
	CHECKED:	RRR		8/3/04				
	ENGR. APPD:	CDD		8/3/04				
	PROJ. APPD:	JDW		8/3/04				
	APPROVED:							
TITLE: TSJ-6A-CLT-GT SPECIFICATION								
NOTICE: THE INFORMATION AND DESIGN CONTAINED HEREIN IS THE PROPERTY OF TRANSTECTOR SYSTEMS. ALL RIGHTS RESERVED.	SIZE	A	CAGE	30992	DRAWING NUMBER	1400-537	REV	D
	SCALE = N/A			PAGE 1 OF 3				

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

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



NOTICE: THE INFORMATION AND DESIGN CONTAINED HEREIN IS THE PROPERTY OF TRANSTECTOR SYSTEMS. ALL RIGHTS RESERVED.

SIZE	CAGE		
A	30992	1400-537	D
SCALE = N/A		Page 2 OF 3	

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 arrester performance, utilize the terminal block connections.**

