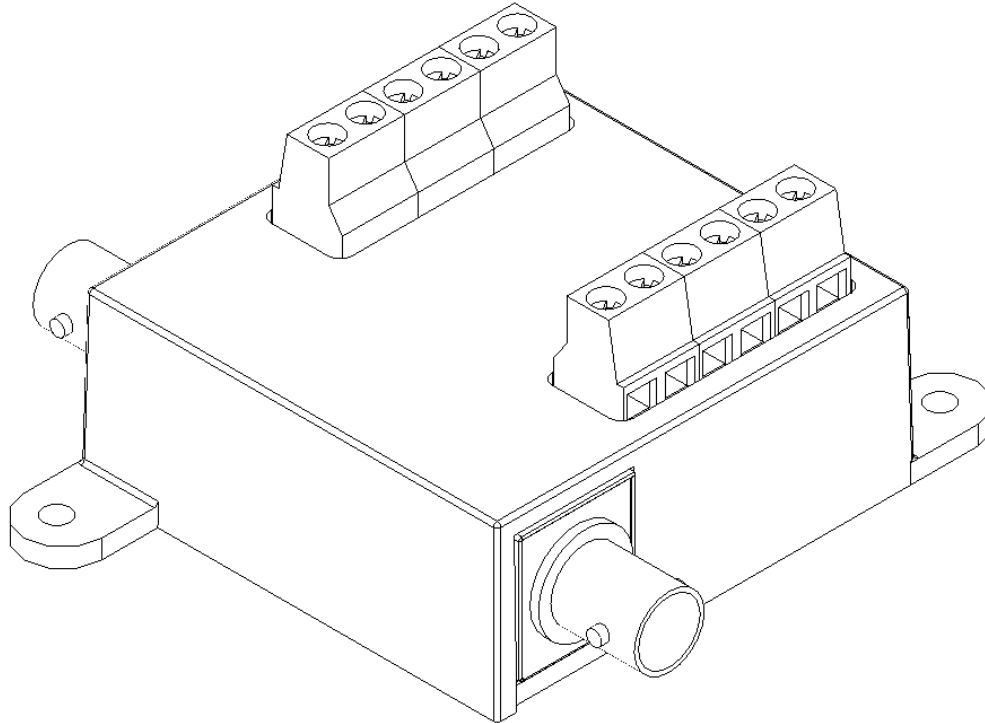


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DESIGN ACTIVITY.

REVISIONS

LTR	DESCRIPTION	ECO NUM.	DATE	APPROVED
01	Concept release		11/06/01	
02	Pre-production release		11/20/01	DWR



UNLESS
OTHERWISE
SPECIFIED DIM.
IN INCHES
BEFORE
PLATING

DRAWN:
JDW

DATE
11/6/01

CHECKED:
CKW

1/7/02

ENGR. APPD:
MLH

1/8/02

PROJ. APPD:
DWR

1/4/02

MATERIAL:

NOTED

APPROVED:

TRANSTECTOR®
SUPERIOR SURGE SUPPRESSION

TITLE:

**CCTV-PTZ
SPECIFICATION**

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SIZE
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CAGE
30992

DRAWING NUMBER
1400-411

REV
02

SCALE = N/A

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SURGE SUPPRESSOR Model: CCTV-PTZ

1. **GENERAL DESCRIPTION:** The CCTV-PTZ surge suppressor is a high-speed, high-current solid state device designed to protect Closed Circuit Television Cameras. **The CCTV-PTZ uses only silicon avalanche suppression diodes (SASD).** It connects to the service in a pass through configuration. The CCTV-PTZ provides protection for the camera's RF signal via pass-through BNC connectors. The CCTV-PTZ provides protection for both 24 Volt AC and DC and 2-wire RS 232 signal (for pan-tilt-zoom control) via pass-through terminal blocks. The molded plastic enclosure features integrated mounting holes to mount the unit using #4 hardware. The CCTV-PTZ is approved to UL 497 B.

2. PERFORMANCE REQUIREMENTS:

2.1. Electrical Service:

2.1.1.COAX

- 2.1.1.1. Attenuation-3 db @ 90 MHz
- 2.1.1.2. Configuration.....Coax
- 2.1.1.3. Input Connection.....BNC
- 2.1.1.4. Protection ModesTip to Ring, Ring to Ground
- 2.1.1.5. MCOV 12 V Tip to Ring, 40V Ring to Ground

2.1.2.24 V

- 2.1.2.1. Service Voltage24 V AC/DC
- 2.1.2.2. Configuration.....2 wire + Ground
- 2.1.2.3. Input Connection..... Screw-Term. Block (22-16 AWG)
 - 2.1.2.3.1. Number of connector positions.....6 (3 in, 3 out)
- 2.1.2.4. Protection Modes Line to Line, Line to Ground
- 2.1.2.5. Maximum Continuous Operating Voltage40 VDC / 28 VAC

2.1.3.RS232, RS422, RS485

- 2.1.3.1. Configuration.....2 wire + Ground
- 2.1.3.2. Input Connection..... Screw-Term. Block (22-16 AWG)
 - 2.1.3.2.1. Number of connector positions.....6 (3 in, 3 out)
- 2.1.3.3. Protection Modes Line to Line, Line to Ground
- 2.1.3.4. Maximum Continuous Operating Voltage24 VDC

2.2. Electrical Performance:

2.2.1.COAX

2.2.1.1. Testing:

- 2.2.1.1.1. Tested to IEEE 10/1000 Long Wave
 - 2.2.1.1.1.1. Ipk.....140 A peak
- 2.2.1.2. Response Time (Max)5 nanoseconds
- 2.2.1.3. Standby Power (Max).....< 0.5 Watt
- 2.2.1.4. Operating Temperature-40°C to +65°C
- 2.2.1.5. Joules13

2.2.2.24 V

2.2.2.1. Testing:

- 2.2.2.1.1. Tested to IEEE 10/1000 Long Wave
 - 2.2.2.1.1.1. Ipk.....150 A peak
- 2.2.2.2. Response Time (Max)5 nanoseconds
- 2.2.2.3. Standby Power (Max).....< 0.5 Watt
- 2.2.2.4. Operating Temperature-40°C to +65°C
- 2.2.2.5. Joules10

2.2.3. RS232, RS422, RS485

2.2.3.1. Testing:

2.2.3.1.1. Tested to IEEE 10/1000 Long Wave

2.2.3.1.1.1. I_{pk}.....190 A peak

2.2.3.2. Response Time (Max)5 nanoseconds

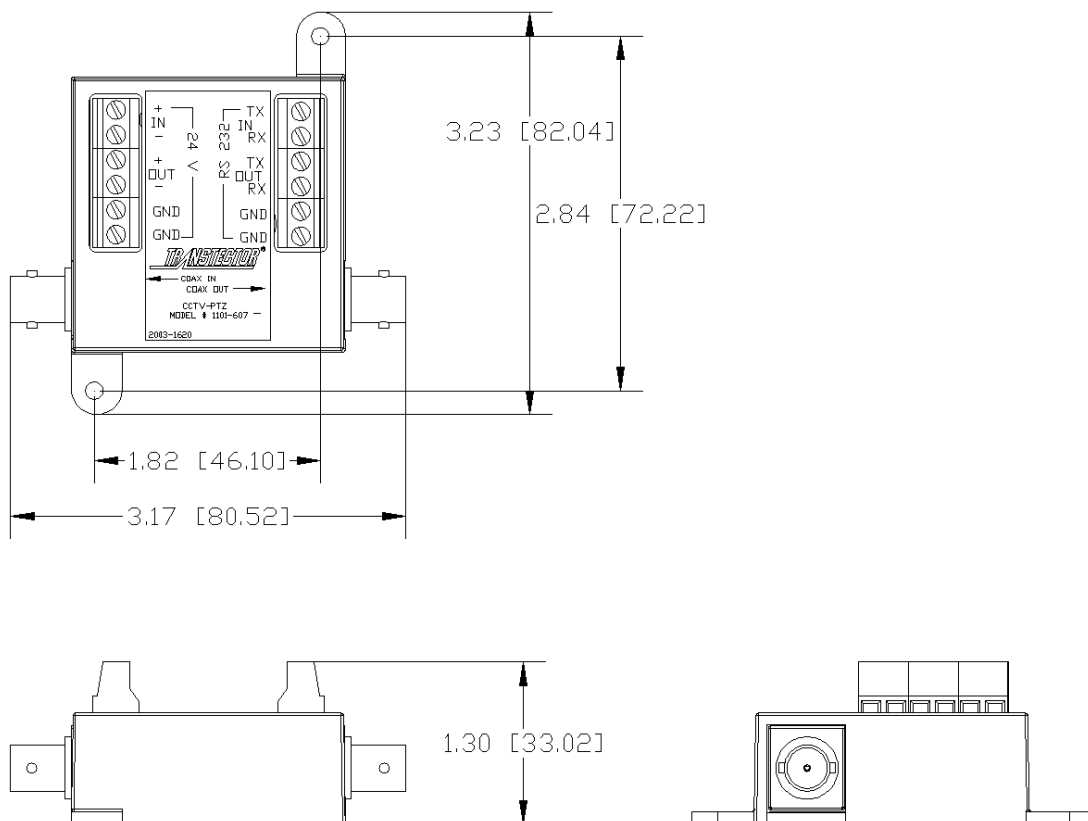
2.2.3.3. Standby Power (Max).....< 0.5 Watt

2.2.3.4. Operating Temperature-40°C to +65°C

2.2.3.5. Joules10

2.3. Mechanical:

2.3.1. Enclosure Description: The suppressor is housed in a molded plastic enclosure that is rated to UL 94 V0.



3. ENVIRONMENTAL:

3.1. Operating Temperature:-40°C to +80°C

3.2. Storage Temperature:-40°C to +80°C

3.3. Relative Humidity:90%

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