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# ADV-301-1340 Data Sheet (10-23-2018)

| Model Number | Part Number |
|---|---|
| ADV-301-1340 | 18100-300 |


***ADV-301-1340 pictured (front-left, and back-right)***

***General***

The ADV-301-1340 unit consists of forty (40) 1-in, 3-out video cards. Each output has unity gain relative to the input. The ADV-301-1340 unit accepts BNC cables to all inputs/outputs. All video will be analog video. The system will be powered by standard 115VAC 60Hz power. The unit chassis has slide rail mounting holes to fit CLB-203-22 rails. The video cards will be separately removable from the unit for easy repair purposes.

***Configuration***

See the attached Outline and Mounting Drawing for the dimensions and mounting locations. The ADV-301-1340 unit shall be housed in a 17" x 7" x 8" (L x W x D) exterior metal material: 0.188" thick AL alloy, 6063-T52 or equivalent. For the case and 0.063" thick AL alloy, 5052-H32 or equivalent for the cover and mounting plate.

***Specifications:***

*Signal Input/Output:* Single-ended
*Gain:* Unity
*Finish:* (except for screws and connectors): Gold Chromate chem-film, grey MIL spec paint with black silkscreen
*Input Voltage:* 115 VAC, 60Hz
*Power Consumption:* 10 Watts nominal
*Input Signal Amplitude:* 0.5 to 5.0V peak-to-peak
*Bandwidth*: Flat within ± 0.4dB from 30Hz to 30.0MHz at 1V peak-to-peak output, gain = 1
*Noise*: 0.01 peak-to-peak at 1V peak-to-peak output, gain = 1
*Harmonic Distortion*: Less than 2.5% at 1V peak-to-peak output, gain = 1
*Ripple*: Less than 1.5V peak-to-peak
*Reverse Polarity Protection*: Provided
50 VDC Transient @ 100mSec

*Weight:* 12lbs (nominal)

***Qualification (Data available upon request):***

*Power*: Mil-Std-704D, 1275

*Environmental*: Mil-Std-810G

*Temperature*:

Storage: -55° to +85°C

Functional: -40° to +71°C

Short Time Operating: +85°C

*Altitude*: Non-Pressurized Area, Cl 1 per MIL-E-5400T (0-50,000Ft)

*Acceleration*: Operational: +/-6.5G's, Non-operational: +/-9 G's

*Endurance Sine on Random Vibration*:

MIL-STD-810F Method 514.5 Category 13 and IF-3AA0-08002B.

*Rapid Decompression*: MIL-STD-810E Method 500.3 para II-3.3 Procedure III

*Functional and Crash Safety Shock Testing*:

DO-160C Section 7 Impulse, 6 G's Operational, 15 G's Crash Safety.

*EMI*: Mil-Std-461

Conducted Emissions, CE101

Conducted Emissions, CE102

Radiated Emissions, RE101

Radiated Emissions, RE102

Conducted Susceptibility, CS101

Conducted Susceptibility, CS114

RF Conducted Susceptibility, RFCS

Radiated Susceptibility, RS103

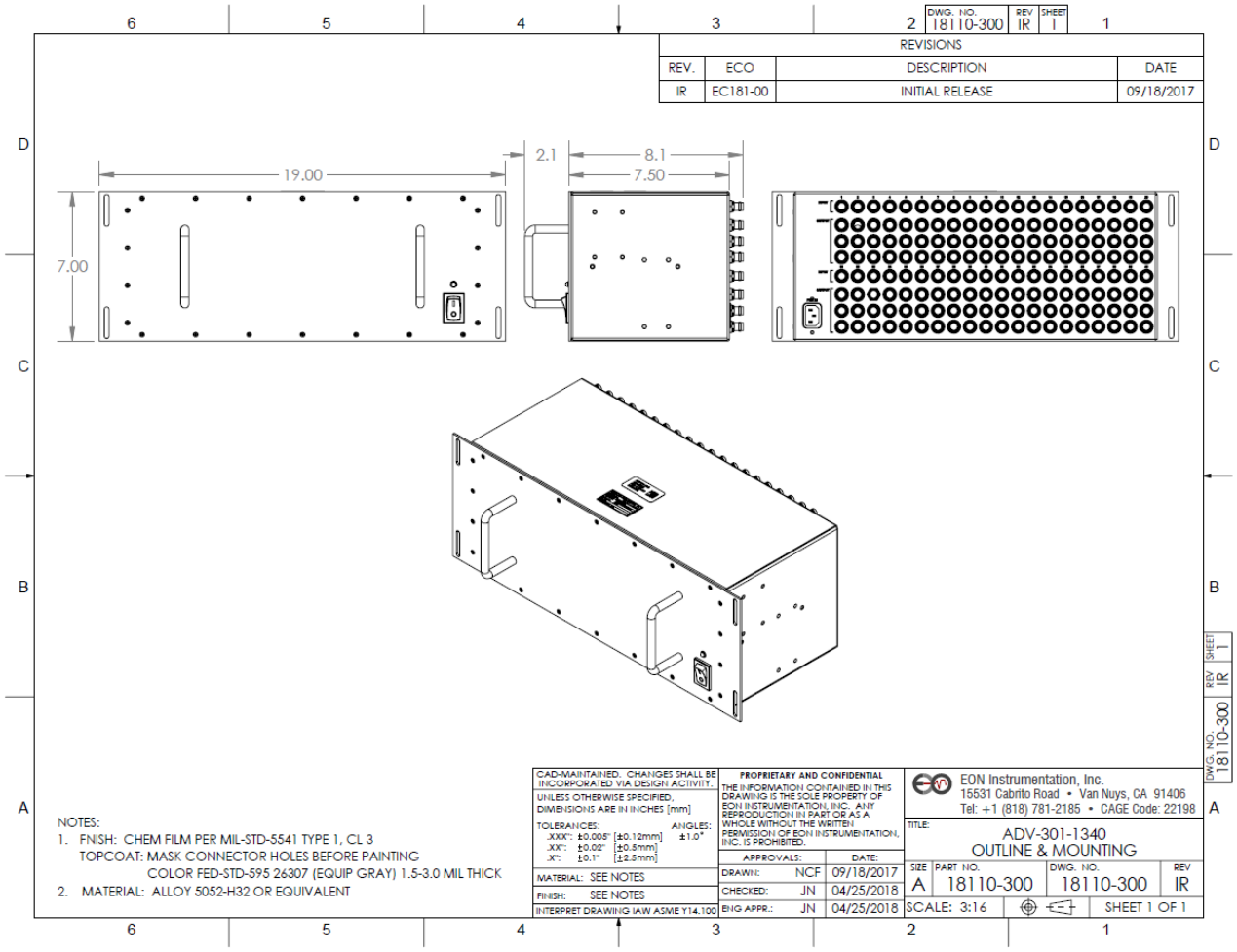
RF Radiated Susceptibility

Electrostatic Discharge, ESD

Lightning Induced Transient Susceptibility, LITS

***MTBF:*** 50,000 Hrs

***Outline and Mounting Drawings:***




ADV-301-1340 Outline and Mounting Drawing