Celetronix USA Inc.

D2AUDIO

350W Audio-Grade PSU

INPUT		
AC Input		110 or 220VAC
Efficiency	Full load at 230Vac	85% typical
Input Frequency		47-63 Hz
Input Current	Full load at 115Vac	7Arms, max
OUTPUT		
Voltage Set Point	V1 (+50V)	± 1.5%
	V2 (+12V)	± 3%
	V3 (+5V)	± 3%
Line Regulation	90-132 & 180-264VAC	±1.0% of all o/p
Load Regulation	V1 (+50V)	± 1.0%
	V2 (+12V)	± 3.5%
	V3 (+5V)	± 2.00%
Transient Response	Min Load to 50% load	
(V1 only)	Voltage Excursion	± 4%, max
	Recovery time	≤ 1ms
Short Circuit Protection	Auto Recovery	self protected
(V2,V3 Only)		
Ripple and Noise	V1 (+50V)	100mV
	V2 (+12V)	200mV
	V3 (+5V)	50mV

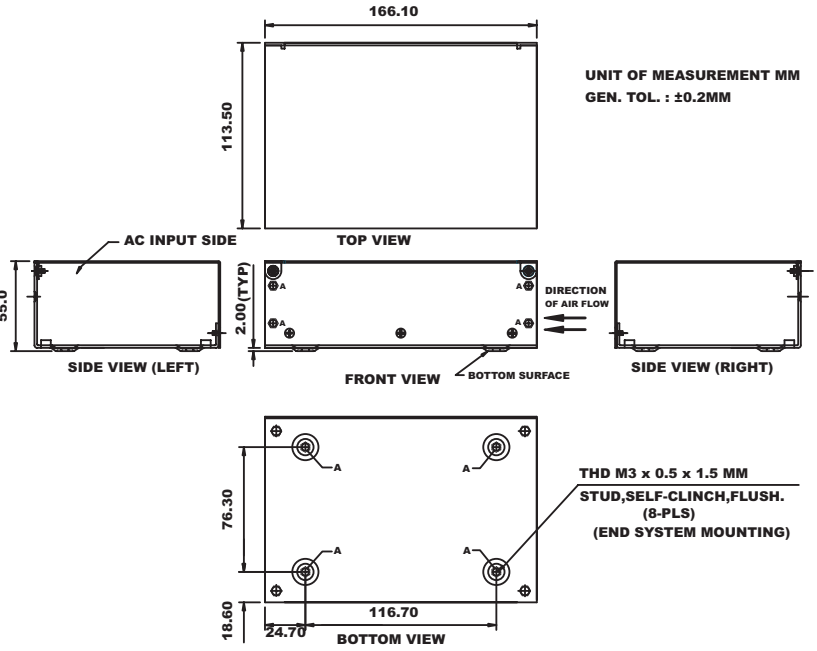
* *See table for output voltages*

ENVIRONMENTAL		
Operating Temperature		0°C to +45°C
Storage Temperature		-40 to 85°C
Relative Humidity	Non Condensing	95% max
MTBF	Bell core STD. TR0322	100,000 HRS.
EMC AND SAFETY		
EMI	CISPR55022 Level B & FCC 47 CFR Part 15, Level B	
EMC	EN61000-4-2 (Level 3), EN61000-4-4 (Level 3), EN61000-4-5 (Level 3), EN61000-3-2*(class A)	
Agency Approvals	C-UL-US, Nemko, CB, CCC, CE *	
Safety Standards	UL6500 / EN60065	

Model Number	Output	Nom Vout	Continuous Current MIN	Continuous Current MAX
CEL-22-AMPC350-3004	V1	+50V	0A	6A
(D2-0CX035001-04000B)	V2	+12V	0A	0.5A
110V/220V,Non ® THX Version	V3	+5V	0A	1A
CEL-22-AMPC350-3005	V1	+50V	0A	6A
(D2-CXT035001-05000B)	V2	+12V	0A	0.5A
110V/220V, THX Version	V3	+5V	0A	1A

* For compliance with EN61000-3-2,need to install hormonic choke, Celetronix P/N : CEL-22-0000000002622, in end-system

MECHANICAL		
Connector Details		
I/P & O/P Connector J1 & J2	Molex P/N.:	26-48-1085 or Equi.
O/P Connector (J4)	Molex P/N.:	26-48-1045 or Equi.
Control Connector (J3)	AMP Inc P/N.:	64056-4 or Equi.
Fan Control Signal (J5/J7)	AMP Inc. P/N.:	64056-2 or Equi.
Temp. Sensor Signal (J6)	AMP Inc. P/N.:	64056-3 or Equi.
Size (mm)	166.1 X 113.5 X 55.0	
Weight	775Gms. (Approx.)	



Cooling 350 – 400 LFM air flow is required for cooling the PSU
(To be provided at the end system by the customer.)
Refer diagram for airflow direction.

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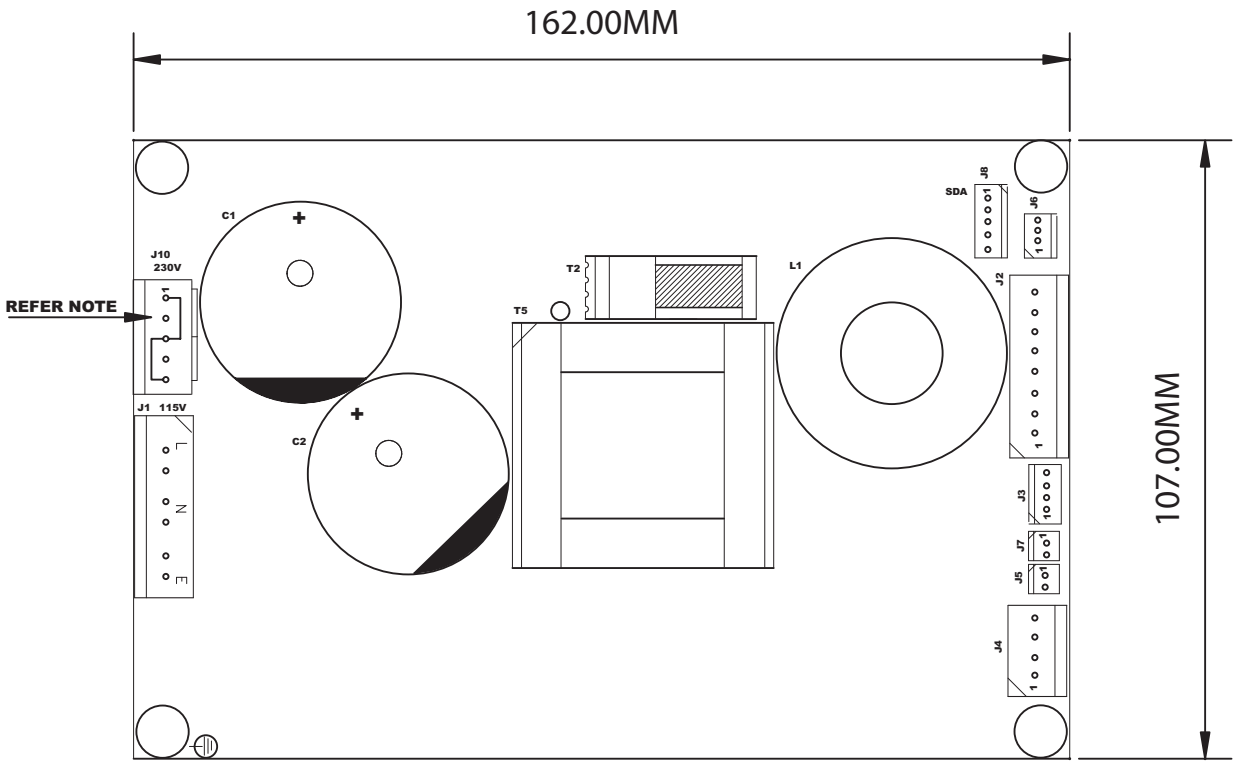
INPUT & OUTPUT CONNECTOR

J1		J2		J3	J4	J5 / J7	J6
Pin 1: Line	**Pin 5:** Neutral	**Pin 1:** +50VDC	**Pin 5:** GND	**Pin 1:** NC	**Pin 1:** +12VDC	**Pin 1:** FAN (+VE)	**Pin 1:** SCL
Pin 2: Line	**Pin 6:** NC	**Pin 2:** +50VDC	**Pin 6:** GND	**Pin 2:** CTL +	**Pin 2:** +5VDC	**Pin 2:** FAN (-VE)	**Pin 2:** SDA
Pin 3: NC	**Pin 7:** Earth	**Pin 3:** +50VDC	**Pin 7:** GND	**Pin 3:** AMPCTL	**Pin 3:** GND		**Pin 3:** GND
Pin 4: Neutral	**Pin 8:** Earth	**Pin 4:** +50VDC	**Pin 8:** GND	**Pin 4:** GND/CTL -	**Pin 4:** GND		



*** SHORT PIN 1 OF J10 & PIN 3 OF J10 FOR 220V INPUT**

**** SHORT PIN 3 OF J10 & PIN 5 OF J10 FOR 110V INPUT**

Note for CX350: Due to the dynamic characteristics of a demanding multi-channel audio environment,the D2audio CX350 audio-Grade power supply has been designed to deliver very high peak current.This unique capability will avoid the possibility of current limiting during the normal occurences of extreme volume levels on multiple channels simultaneously.

Note for CXT350: Due to the demanding requirements of a THX Ultra2 and THX select based multi-channel audio envirnment,the D2audio CXT350 Audio Grade power supply has been designed to deliver very high peak currents and voltages for extended periods of time.This unique capability will avoid the possibility of current limiting or thermal cycling during the required THX-level testing for extreme speaker load conditons on multiple audio channels simultaneously.

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V4.0.0