



Common Amplifier Format

Crown Studio Reference I

As Measured
As Given

General	
Serial #:	015870/0031
# Channels:	2
Topology:	Class A/B
Sample Rate:	NA kHz
Mfg Website:	www.crownaudio.com
Physical	
Height:	4 RU
Depth:	18/46 in./cm.
AC Mains:	100-240 VAC
Power Draw:	3000 W Max
Weight:	27.6/60 kg/lbs
UL Wire Class:	2
Tested by	
Company:	ETC, Inc.
Tech:	Pat Brown
Date:	DEC 2013
Instrumentation	
Audio Precision APx515 Voltmeter	
Hioki 3334 Power Analyzer	
NTI XL2 SLM	
NTI MA220 Preamp	
ACO 7052 Microphone	

Ref	Plot	Specification		
1	A	Input Sensitivity (1 kHz, 8 ohms)	0.775 Vrms	0 dBu
2	A	Voltage Gain	40 dB	
3	A	Maximum Output Voltage (1 kHz, 8 ohms)	90 Vrms	127 Vpeak
4	A	Input Stage Clipping Voltage (1 kHz)	10 Vrms	22.2 dBu
5	K	Noise Floor (20 Hz - 20 kHz)	-62 dBu	
6		Dynamic Range (20 Hz - 20 kHz A-Wgt)	91 dB	
7	C	Frequency Response Deviation (20 Hz - 20 kHz 4 ohms)	+0.14 dB	
8	G	Latency (1 kHz)	12 us	
9	I	CMRR @ 1 kHz (see Plot H)	49 dB	
10		Input Impedance (1 kHz)	13 kohms	
11	M	Fan Noise (Front, Rear)	48, 45 dBA-Slow ref. 1 m	

Links to Data

A	Input vs. Output Level	I/O Matrix
B	Frequency Response (20 Hz - 20 kHz)	
C	Frequency Response (2 Hz - 80 kHz)	Mono 1ch
D	THD Ratio vs. Frequency	Mono 2ch
E	IMD Difference Frequency Distortion	Bridged-mono
F	Excess Phase Response	Parallel-mono
G	Group Delay vs. Frequency	
H	Crosstalk	
I	Common-Mode Rejection Ratio (CMRR)	
J	Noise Floor Spectrum	
K	Pin 1 Response	
L	Fan Noise Level and Spectrum	
M	Short-Circuit Behavior	