

807

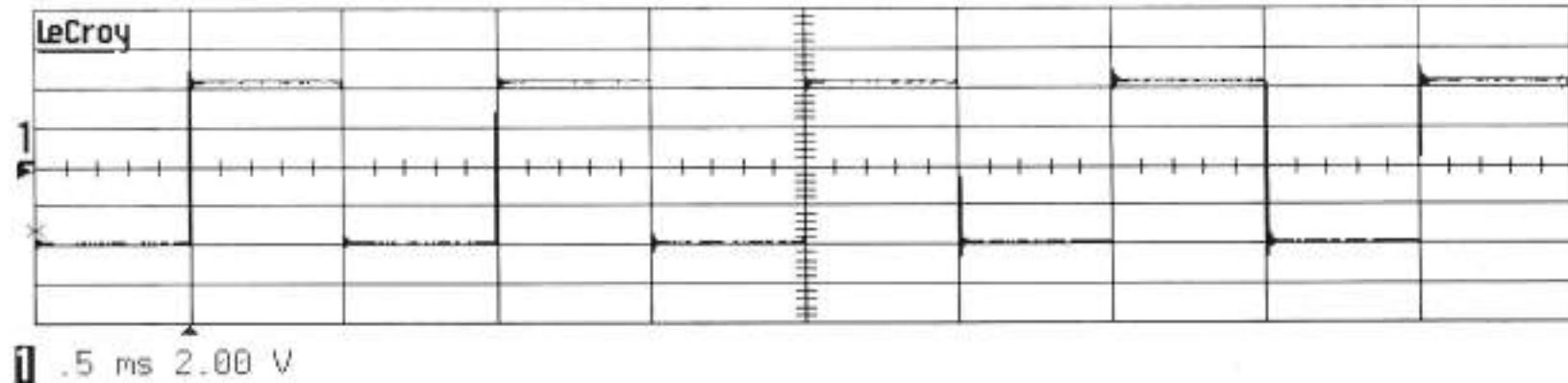
MONOBLOCK

WIDEBAND OUTPUT TRANSFORMER

CLASS A

PARTIAL TRIODE / V-FET AMPLIFIER

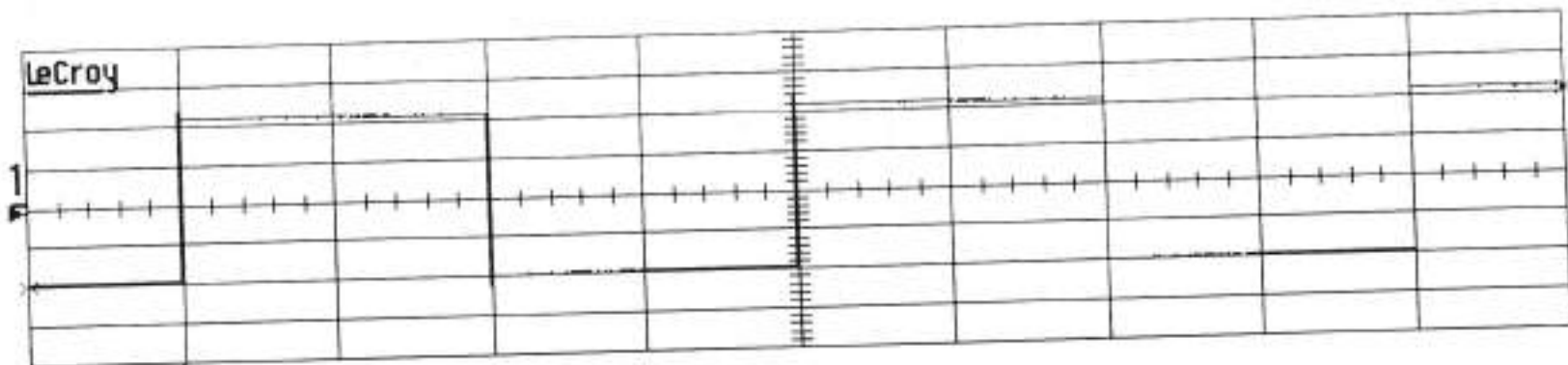
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pkpk(1)	9.63 V	Freq(1)	997.06 Hz
sdev(1)	4.052 V	period(1)	1.00295 ms
rms(1)	4.052 V	width(1)	501.700 μ s
cmean(1)	-10mV	rise(1)	2.565 μ s
csdev(1)	4.051 V	Fall(1)	2.594 μ s
crms(1)	4.051 V	r20-80%(1)	1.768 μ s
top(1)	4.06 V	F80-20%(1)	1.796 μ s
base(1)	-4.06 V	over+(1)	8.46 %
ampl(1)	8.13 V	over-(1)	10.00 %
mean(1)	-21mV	xamn(1)	-498.513 μ s
minimum(1)	-4.88 V	xamx(1)	3.1198 μ s
maximum(1)	4.75 V	delay(1)	58 ns
area(1)	-105.206 μ Vs	cycles(1)	4

807 - 1kHz

AUTO

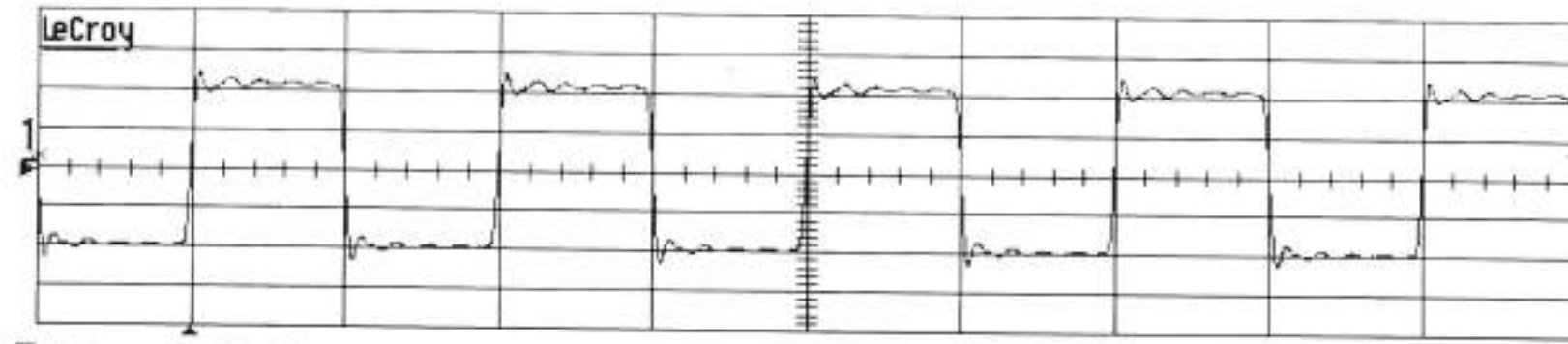


10 ms 2.00 V

pkpk(1)	9.25 V	Freq(1)	24.95 Hz
sdev(1)	4.059 V	period(1)	40.0739 ms
rms(1)	4.059 V	width(1)	20.0222 ms
cmean(1)	-16mV	rise(1)	2.8 μs
csdev(1)	4.059 V	Fall(1)	2.7 μs
crms(1)	4.059 V	r20-80%(1)	1.8 μs
top(1)	4.06 V	F80-20%(1)	1.8 μs
base(1)	-4.06 V	over+(1)	6.15 %
ampl(1)	8.13 V	over-(1)	7.69 %
mean(1)	-16mV	xavn(1)	20.0255 ms
minimum(1)	-4.69 V	xamx(1)	4.04 μs
maximum(1)	4.56 V	delay(1)	0.1 μs
area(1)	-1.63900 mVs	cycles(1)	2

807 - 25 Hz

AUTO



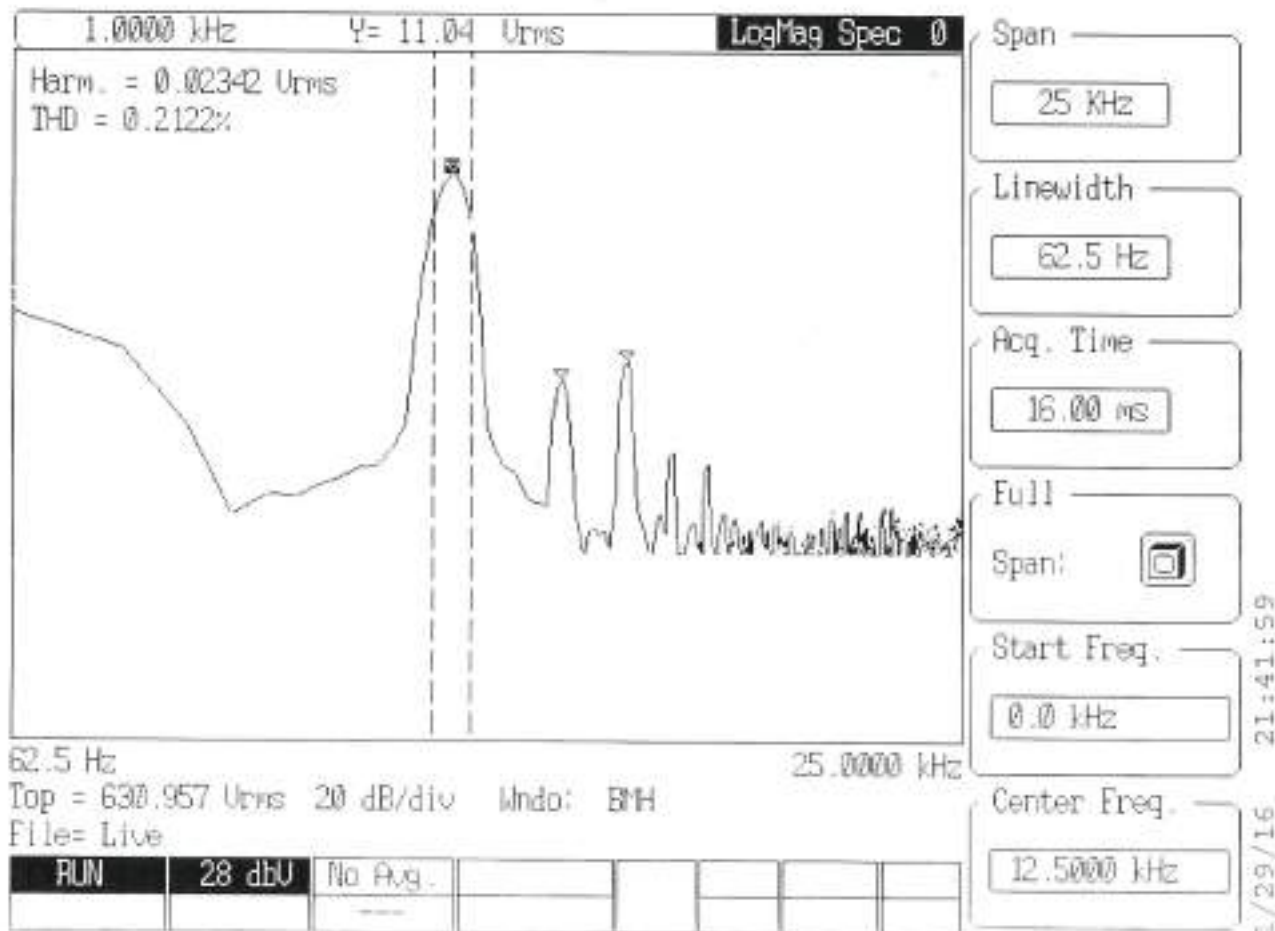
50 μ s 2.00 V

pkpk(1)	9.63 V	Freq(1)	9.9925 kHz
sdev(1)	3.969 V	period(1)	100.075 μ s
rms(1)	3.969 V	width(1)	50.1860 μ s
cmean(1) <i>S</i>	-13mV	rise(1)	2.5674 μ s
csdev(1) <i>S</i>	3.968 V	Fall(1)	2.5791 μ s
crms(1) <i>S</i>	3.968 V	r20-80%(1)	1.7566 μ s
top(1)	4.03 V	F80-20%(1)	1.7847 μ s
base(1)	-4.06 V	over+(1)	8.89 %
ampl(1)	8.09 V	over-(1)	10.04 %
mean(1)	-14mV	xamn(1)	-47.0132 μ s
minimum(1)	-4.88 V	xamx(1)	3.04564 μ s
maximum(1)	4.75 V	delay(1)	52.1 ns
area(1)	-6.80063 μ Vs	cycles(1)	4

807 - 10kHz

AUTO

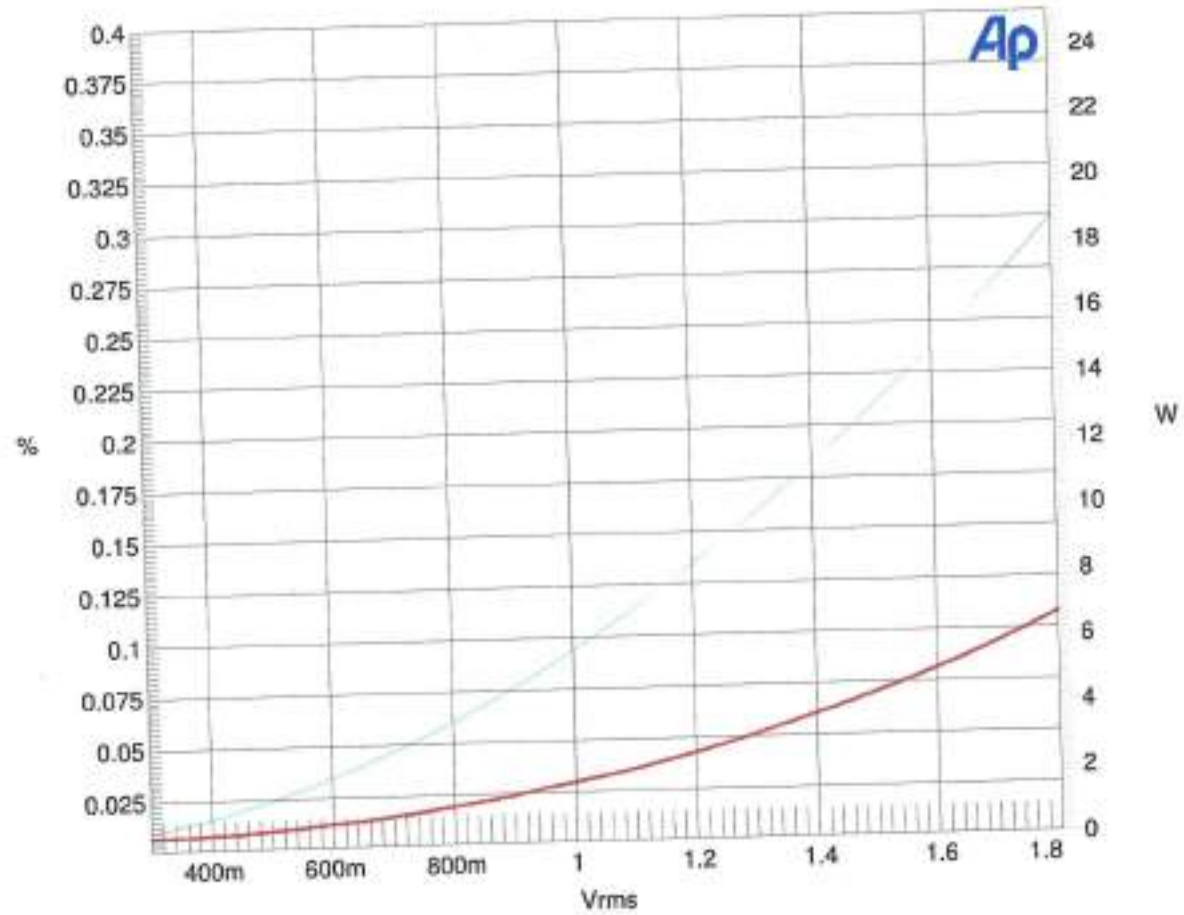
807-3-15w



Audio Precision

DIM IMD vs AMPLITUDE

10/28/04 00:19:25



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GEN FREQ	THD+N	A	GEN FREQ	THD+N	A	GEN FREQ	THD+N	A	Ap		
25.00	Hz	0.365	%	315.0	Hz	0.251	%	4.000	kHz	0.237	%
31.50	Hz	0.268	%	400.0	Hz	0.246	%	5.000	kHz	0.238	%
40.00	Hz	0.266	%	500.0	Hz	0.244	%	6.300	kHz	0.243	%
50.00	Hz	0.341	%	630.0	Hz	0.241	%	8.000	kHz	0.253	%
63.00	Hz	0.268	%	800.0	Hz	0.239	%	10.000	kHz	0.281	%
80.00	Hz	0.275	%	1.000	kHz	0.238	%	12.500	kHz	0.318	%
100.0	Hz	0.331	%	1.250	kHz	0.238	%	16.000	kHz	0.405	%
125.0	Hz	0.264	%	1.600	kHz	0.237	%	20.000	kHz	0.527	%
160.0	Hz	0.262	%	2.000	kHz	0.236	%				
200.0	Hz	0.255	%	2.500	kHz	0.237	%				
250.0	Hz	0.253	%	3.150	kHz	0.237	%				

IMD A LEVEL A GEN:IMD 1.790 V 60Hz/8kHz Ap
 0.839 % 9.127 V

GEN FREQ	PHASE	A-G	GEN FREQ	PHASE	A-G	GEN FREQ	PHASE	A-G	Ap		
25.00	Hz	-0.4	deg	315.0	Hz	-0.1	deg	4.000	kHz	1.6	deg
31.50	Hz	-0.4	deg	400.0	Hz	0.0	deg	5.000	kHz	2.0	deg
40.00	Hz	-0.4	deg	500.0	Hz	0.0	deg	6.300	kHz	2.6	deg
50.00	Hz	-0.2	deg	630.0	Hz	0.0	deg	8.000	kHz	3.4	deg
63.00	Hz	-0.2	deg	800.0	Hz	0.1	deg	10.000	kHz	4.3	deg
80.00	Hz	-0.2	deg	1.000	kHz	0.2	deg	12.500	kHz	5.3	deg
100.0	Hz	-0.3	deg	1.250	kHz	0.3	deg	16.000	kHz	6.6	deg
125.0	Hz	-0.2	deg	1.600	kHz	0.5	deg	20.000	kHz	8.4	deg
160.0	Hz	-0.2	deg	2.000	kHz	0.6	deg				
200.0	Hz	-0.1	deg	2.500	kHz	0.9	deg				
250.0	Hz	-0.1	deg	3.150	kHz	1.2	deg				

RATIO A/G LEVEL GA FREQ GA GEN:SINE 1.790 V 1.000 kHz Ap
 15.84dB 7.26 cBu 997.04 Hz

NOISE A UN-WTD 22 Hz - 22 kHz Ap
 93.99 uV GEN:SINE 1.790 V 1.000 kHz

NOISE A UN-WTD 400 Hz - 22 kHz Ap
 19.06 uV GEN:SINE 1.790 V 1.000 kHz

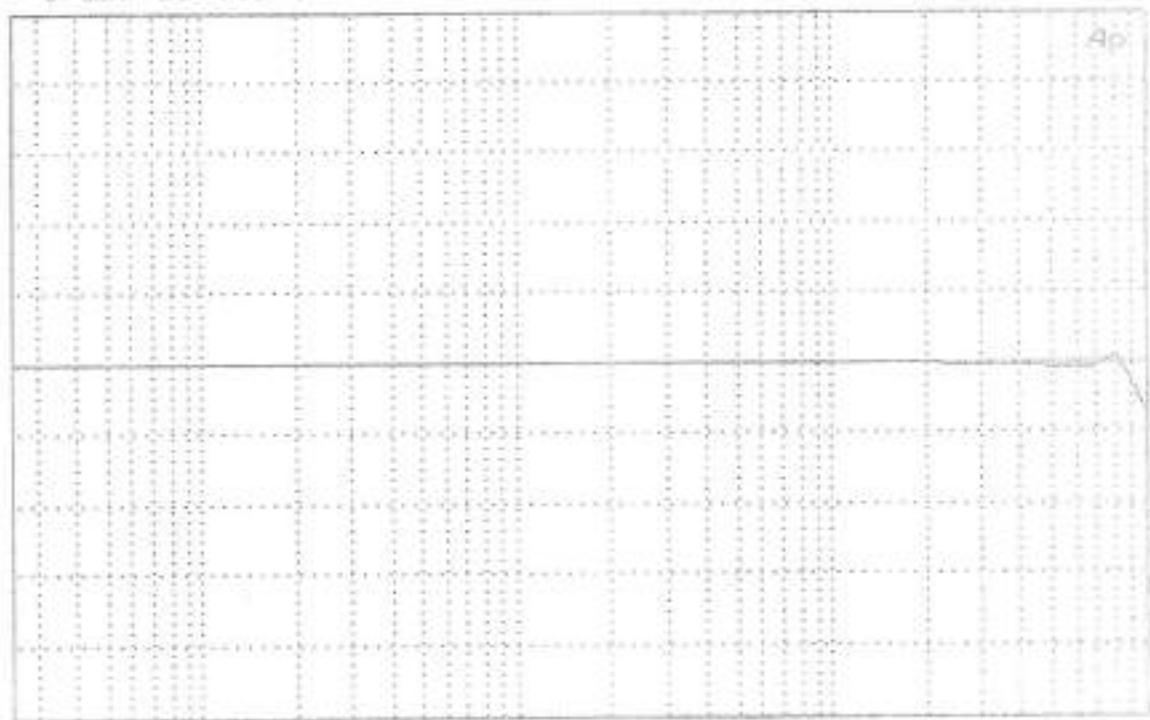
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0 dBr=11.062 V

10.00dBr

AMPL A
0 dBr

-10.00dBr



25.000 Hz LOG FREQUENCY 100.000kHz
 SETTINGS(UN-WTD <10 Hz - >300 kHz GEN:SINE 1.778 V)

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GEN FREQ	AMPL	A	GEN FREQ	AMPL	A	GEN FREQ	AMPL	A	Ap
25.00 Hz	-0.01 dBr		443.0 Hz	0.00 dBr		7.852 kHz	-0.02 dBr		
27.92 Hz	-0.01 dBr		494.8 Hz	0.00 dBr		8.770 kHz	-0.03 dBr		
31.18 Hz	-0.01 dBr		552.7 Hz	0.00 dBr		9.795 kHz	-0.03 dBr		
34.83 Hz	-0.01 dBr		617.3 Hz	0.00 dBr		10.940kHz	-0.03 dBr		
38.90 Hz	-0.01 dBr		689.5 Hz	0.00 dBr		12.219kHz	-0.04 dBr		
43.45 Hz	-0.01 dBr		770.1 Hz	0.00 dBr		13.648kHz	-0.04 dBr		
48.53 Hz	-0.01 dBr		860.1 Hz	0.00 dBr		15.244kHz	-0.04 dBr		
54.21 Hz	-0.01 dBr		960.7 Hz	0.00 dBr		17.026kHz	-0.05 dBr		
60.54 Hz	-0.01 dBr		1.073 kHz	0.00 dBr		19.016kHz	-0.05 dBr		
67.62 Hz	-0.01 dBr		1.198 kHz	0.00 dBr		21.240kHz	-0.06 dBr		
75.53 Hz	-0.01 dBr		1.338 kHz	0.00 dBr		23.723kHz	-0.06 dBr		
84.36 Hz	-0.01 dBr		1.495 kHz	0.00 dBr		26.497kHz	-0.07 dBr		
94.22 Hz	-0.01 dBr		1.669 kHz	0.00 dBr		29.595kHz	-0.07 dBr		
105.2 Hz	-0.01 dBr		1.865 kHz	0.00 dBr		33.055kHz	-0.08 dBr		
117.5 Hz	-0.01 dBr		2.083 kHz	0.00 dBr		36.919kHz	-0.08 dBr		
131.2 Hz	-0.01 dBr		2.326 kHz	0.00 dBr		41.236kHz	-0.09 dBr		
146.6 Hz	-0.01 dBr		2.598 kHz	0.00 dBr		46.057kHz	-0.12 dBr		
163.7 Hz	-0.01 dBr		2.902 kHz	0.00 dBr		51.442kHz	-0.19 dBr		
182.9 Hz	0.00 dBr		3.242 kHz	0.00 dBr		57.456kHz	-0.19 dBr		
204.3 Hz	0.00 dBr		3.621 kHz	0.00 dBr		64.174kHz	-0.17 dBr		
228.2 Hz	0.00 dBr		4.044 kHz	0.00 dBr		71.677kHz	-0.08 dBr		
254.8 Hz	0.00 dBr		4.517 kHz	-0.01 dBr		80.057kHz	0.19 dBr		
284.6 Hz	0.00 dBr		5.045 kHz	-0.01 dBr		89.417kHz	-0.57 dBr		
317.9 Hz	0.00 dBr		5.635 kHz	-0.01 dBr		100.00kHz	-1.46 dBr		
355.1 Hz	0.00 dBr		6.294 kHz	-0.01 dBr					
396.6 Hz	0.00 dBr		7.030 kHz	-0.02 dBr					

TEST REPORT

FREQUENCY RESPONSE (FULL POWER)

THD (FULL POWER)

IMD (FULL POWER)

PHASE SHIFT (FULL POWER)

GAIN (FULL BANDWIDTH)

OUTPUT NOISE (22HZ TO 22KHZ)

(400HZ TO 22KHZ)

TEST INSTRUMENTS:

AUDIO PRECISION SYSTEM ONE &/OR SYSTEM ONE PLUS

STANFORD RESEARCH SR 770 FFT ANALYZER

LECROY WAVERUNNER 500 MHZ/10GS DSO

807 TECHNICAL DATA

POWER OUTPUT: 15 WATTS (R.M.S.)

ADMISSIBLE LOAD: 4 / 16 OHM

POWER BAND: 20 HZ TO 80 KHZ

THD: 3 % MAX.

IMD: 3 % MAX.

TIM: 0.4 % MAX.

PHASE SHIFT: 10 DEG. (TYP.)

GAIN: 15.5 dB (+/- 0.5 dB)

INPUT IMPEDANCE: 100K

OUTPUT NOISE: 500 MICROVOLTS (TYP.)

MAIN FUSE: 1 A SUPPLY FUSE: 0.25 A