

Power vs Efficiency

Output Power Watts	Input Power Watts	Efficiency %
100	110.3	91
150	176.4	85
200	232.8	86

Test Conditions:

1KHz sine wave. 42.5V input supply. 3.3 ohm load.

Peak output voltage 37.5VDC

Test conditions:

DC input to PWM. 42.5VDC input supply. 3.3 ohm load

Standby Power 4.76W

Test Conditions

No input signal. 42.5VDC input supply. 3.3 ohm load

Distortion and noise vs Power

Output Power Watts	Output Volts Vrms	Distortion %	Notes
50	12.8	0.12%	*1
100	22.2	0.12%	*1
200	25.8	0.25%	

*note 1:exceeding equipment test limits. Actual performance is probably better.

Test Conditions

1KHz test tone, -66dBc THD+N at input, 48VDC supply, 3.3 ohm load

Frequency Response

Frequency KHz	Output Level 8 ohm dB	Output Level 4 ohm dB
1	-0.2	0
2	-0.2	0
3	-0.2	0
4	0	0
5	0.2	0
6	0.5	-0.2
7	0.7	-0.2
8	1	-0.4
9	1.5	-0.5
10	2	-0.4
11	2.2	-0.6
12	2.2	-0.6
13	3	-0.5
14	3.3	-0.4
15	3.7	-0.4
16	4.3	-0.3
17	5	0
18	5	0
19	5	0
20	5	-0.2
21	4.8	-0.2
22	4.5	0

23	3.8	-0.2
24	2.8	-0.2
25	3.8	0.8
26	5	2
27	6.4	3.2
28	8	4.2
29	8	5
30	8	6
40	7	7.5
50	-2	-3.6
60	-12	-14.7
70	-22	-24.7
80	-32	-32

Test conditions

Output power 5W, 48V supply

Group Delay

Frequency Delay
KHz uS

1	16
2	16
3	16
4	16
5	16
6	16
7	16
8	16
9	16
10	16
11	16
12	16
13	14
14	12
15	12
16	12
17	12
18	12
19	10
20	8
21	6
22	6
23	6
24	6

Average 12.83

Range 10

Test conditions:

Output power 5W. Supply voltage 48V.