

# QUAD EIGHT DATA SHEET

## APPLICATION NOTES CA-127 AS LINE AMPLIFIER

INPUT: 14 HIGH

13 LOW - COMMON

OUTPUT: 7 HIGH

600 Ohm +25dBm

5 LOW

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6 HIGH

600 Ohm +25dBm

4 LOW

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7 HIGH

4 LOW 600 Ohm +30dBm +6dB Voltage Amplification

Strap 6-5

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7 HIGH

4 LOW 150 Ohm +30dBm

Strap 7-6, 5-4

VOLTAGE AMPLIFICATION - Connect resistor to terminals 9 + 10 (see chart below)

<u>VOLTAGE AMPLIFICATION</u>	<u>R<sub>g</sub> (Ohms)</u>
UNITY	NONE
5 dB	36K
10 dB	15K
15 dB	6800
20 dB	3600
25 dB	1800
30 dB	1000
35 dB	540
40 dB	330

40dB voltage amplification to a single output winding is the maximum recommended. There will be a 6dB increase in voltage amplification if the output windings are connected in series.

