ELECTRONICS, INC.
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NTE1369
Integrated Circuit
Audio Power Amplifier, 5.5W

Absolute Maximum Ratings: (T_A = +25°C unless otherwise specified)

Supply Voltage, V_{CC}
- Operation 20V
- Without Signal 24V

Supply Current, I_{CC} 4A
Power Dissipation, P_D 25W
Operating Ambient Temperature Range, T_{opr} . . . . . –30° to +75°C
Storage Temperature Range, T_{stg} . . . . . –55° to +150°C

Electrical Characteristics: (T_A = +25°C, V_{CC} = 13.2V, R_L = 4Ω, f = 1kHz unless otherwise specified)

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Quiescent Current	I_{CQ}	V_i = 0	20	30	75	mA
Voltage Gain	G_V	V_i = 4mV	50	52	54	dB
Non–Distortional Maximum Output Power	P_O	THD = 10%	4.8	5.5	–	W
Total Harmonic Distortion	THD	V_i = 4mV	–	0.1	1.0	%
Output Noise Voltage	V_{no}	R_g = 10kΩ	–	1	3	mV
Input Resistance	r_i		20	30	–	kΩ

Pin Connection Diagram
(Front View)