ELECTRONICS, INC.
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NTE1240
Integrated Circuit
Audio Power Amp, 5.5W

Features:

- High Output Power and High Gain
- Highly Breakdown−Resistant Against Overloading and Short−Circuits
- Easy−to−handle packaging: 11−lead SIL plastic

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

Supply Voltage, V_{CC} 18V
DC Supply Current, I_{CC} 2.2A
Power Dissipation (T_A = +75°C), P_D 6W
Operating Temperature Range, T_{opr} . . . . . −20° to +75°C
Storage Temperature Range, T_{stg} . . . . . −55° to +150°C

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

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Quiescent Current	I_{CQ}	V_{in} = 0	10	28	60	mA
Voltage Gain	G_V	V_{in} = 5mV, f = 1kHz	52	53	54	dB
Power Output	P_O	THD = 10%, f = 1kHz	4.5	5.5	–	W
Total Harmonic Distortion	THD	P_O = 2W, f = 1kHz	–	0.25	1.5	%
Output Noise Voltage	V_{no}	V_{in} = 0, R_g = 10kΩ	–	0.6	4.5	mV

Pin Connection Diagram
(Front View)



