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NTE1137 Integrated Circuit Audio Power Amplifier, 1.3W

Absolute Maximum Ratings: ($T_A = +25^\circ\text{C}$ unless otherwise specified)

Supply Voltage (Pin 2 to 10), V_{2-10}	16V
Collector Current, I_2	0.25A
Power Dissipation, P_T	0.65W
Operating Temperature Range, T_{opr}	-20 to +65°C
Storage Temperature Range, T_{stg}	-55 to +150°C

Electrical Characteristics: ($T_A = +25^\circ\text{C}$ unless otherwise specified)

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Supply Voltage	V_{CC}		-	10	-	V
Voltage Gain	G_V		-	38	-	dB
Quiescent Current	I_{CQ}	$V_{2-10} = 10\text{V}$, $R = 1$ to 3Ω	-	10	-	mA
Output Voltage	V_O	$V_{2-10} = 10\text{V}$, $V_i = 10\text{mV}_{rms}$, $f = 1\text{kHz}$	0.6	0.8	-	V
Output Power	P_O	$V_{2-10} = 10\text{V}$, $V_i = 100\text{mV}_{rms}$, $f = 1\text{kHz}$	0.85	1.3	-	W
Total Harmonic Distortion	D_{tot}	$V_{2-10} = 10\text{V}$, $P_O = 5\text{mW}$, $f = 1\text{kHz}$	-	0.5	1.5	%
Noise Voltage	V_N	$V_{2-10} = 10\text{V}$, $R_s = 2.2\text{k}\Omega$	-	0.2	0.42	mV

Pin Connection Diagram
(Front View)

