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NTE1150 Integrated Circuit Audio Power Amplifier, 2.5W

Features:

- One to Two Watt Class AF Power Amplifier
- Able to Select the Input Impedance Freely

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

Supply Voltage, V_{CC}	23V
Output Current, I_{Omax}	1.5A
Power Dissipation, P_D	6W
Operating Temperature Range, T_{opr}	-20 to +80°C
Storage Temperature Range, T_{stg}	-40 to +125°C

Electrical Characteristics: ($T_A = +25^\circ\text{C}$, $V_{CC} = 17\text{V}$, $R_L = 8\Omega$, $f = 1\text{kHz}$, $R_f = 330\Omega$, unless otherwise specified)

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Quiescent Current	I_{CC}		-	24	40	mA
Voltage Gain	VG		27	30	33	dB
Output Power	P_O	THD = 10%	2.0	2.5	-	W
Input Resistance	R_i		-	85	-	kΩ
Total Harmonic Distortion	THD	$P_O = 0.5\text{W}$	-	0.5	1.5	%
Output Noise Voltage	V_{NO}	$R_g = 51\text{k}\Omega$	-	0.4	1.5	mV

Pin Connection Diagram
(Front View)

