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NTE1081A Integrated Circuit Audio Power Amplifier, 4.8W

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

Supply Voltage, V_{CC}	20V
Zero Input	17V
Operating	2.5A
Collector Current, $I_{CC(\text{Peak})}$	7W
Power Dissipation (with external heat sink), P_D	-20° to $+75^\circ\text{C}$
Operating Temperature Range, T_{opr}	-40° to $+150^\circ\text{C}$
Storage Temperature Range, T_{stg}	

Electrical Characteristics: ($T_A = +25^\circ\text{C}$, $V_{CC} = 13.2\text{V}$, $f = 1\text{kHz}$, $R_L = 4\Omega$, unless otherwise specified)

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Standby Current	I_{CC}	Zero Input	15	28	45	mA
Output Power	P_O	THD = 10%	4.0	4.8	-	W
Total Harmonic Distortion	THD	$P_O = 0.5\text{W}$	-	0.6	1.2	%
Closed-Loop Voltage Gain	G_V		49.0	51.5	52.0	dB
Output Noise Level	V_{NO}	$R_g = \infty$	-	1.4	4.0	mV

Pin Connection Diagram

