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## NTE1369 Integrated Circuit Audio Power Amplifier, 5.5W

**Absolute Maximum Ratings:** ( $T_A = +25^\circ\text{C}$  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, $T_{opr}$ .....	$-30^\circ$ to $+75^\circ\text{C}$
Storage Temperature Range, $T_{stg}$ .....	$-55^\circ$ to $+150^\circ\text{C}$

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

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

