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

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

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

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

**Pin Connection Diagram**  
(Front View)

