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NTE1340 Integrated Circuit Module, Hybrid, Audio Power Amplifier, 24W 2 Power Supplies Required

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

Maximum Supply Voltage, $V_{CC\text{max}}$ $\pm 35\text{V}$
Operating Case Temperature, T_C $+85^\circ\text{C}$
Storage Temperature Range, T_{stg} -30° to $+100^\circ\text{C}$
Available Time for Load Shorted ($V_{CC} = \pm 29\text{V}$, $V_O = 14.2\text{V}$, $f = 50\text{Hz}$), t_s 2sec

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

Recommended Supply Voltage, V_{CC} $\pm 25\text{V}$
Load Resistance, R_L 8Ω

Electrical Characteristics: ($T_A = +25^\circ\text{C}$, $V_{CC} = \pm 25\text{V}$, $R_L = 8\Omega$, $R_g = 600\Omega$ unless otherwise specified)

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Quiescent Current	I_{CCO}	$V_{CC} = \pm 29\text{V}$	–	50	100	mA
Output Power	P_O	THD = 0.2%, $f = 20\text{Hz}$ to 20kHz	24	–	–	W
		THD = 0.2%, $f = 1\text{kHz}$	–	28	–	W
		$V_{CC} = \pm 29\text{V}$, THD = 0.2%, $f = 1\text{kHz}$	–	40	–	W
Total Harmonic Distortion	THD	$P_O = 0.1\text{W}$ to 24W , $f = 20\text{Hz}$ to 20kHz	–	–	0.2	%
Frequency Response	f	$P_O = 1\text{W}$	10 to 100k			Hz
Input Resistance	r_i	$P_O = 1\text{W}$, $f = 1\text{kHz}$	–	52k	–	Ω
Output Noise Voltage	V_{NO}	$V_{CC} = \pm 29\text{V}$, $R_g = 10\text{k}\Omega$	–	0.3	0.5	mV_{rms}
Midpoint Voltage	V_N	$V_{CC} = \pm 29\text{V}$	–70	–	+70	mV

Pin Connection Diagram (Front View)

