

NTE1347
Integrated Circuit
Module, Hybrid, Dual Audio Power Amp,
20W/Ch, 2 Power Supplies Required

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

Maximum Supply Voltage, V_{CCmax} $\pm 32\text{V}$
Operating Case Temperature, T_C $+105^\circ\text{C}$
Storage Temperature, T_{stg} -30° to $+105^\circ\text{C}$
Allowable Load Shorting Time (in appointed condition), t_s 2sec

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

Recommended Supply Voltage, V_{CC} $\pm 23\text{V}$
Load Resistance, R_L 8 ohms

Electrical Characteristics: ($T_A = +25^\circ\text{C}$, $R_g = 600\Omega$, $V_G = 40\text{dB}$ unless otherwise specified)

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Quiescent Current	I_{CCO}	$V_{CC} = \pm 23\text{V}$	—	—	120	mA
Power Out	P_O	THD = 0.08%, $f = 20\text{Hz}$ to 20kHz	20	—	—	W
Total Harmonic Distortion	THD	$P_O = 1.0\text{W}$, $f = 20\text{Hz}$ to 20kHz	—	—	0.08	%
Frequency Response	f	$P_O = 1.0\text{W}$	10 to 100k			Hz
Source Impedance	r_i	$P_O = 1.0\text{W}$, $f = 1\text{kHz}$	—	32	—	$k\Omega$

Pin Connection Diagram (Front View)

16	Rt Ch Input
15	Rt Ch Feedback
14	GND
13	Rt Ch Bias
12	(-) V _{CC} 2
11	Rt Ch Feedback
10	Rt Ch Output
9	(+) V _{CC} 2
8	(+) V _{CC} 1
7	Lt Ch Output
6	Lt Ch Feedback
5	(-) V _{CC} 1
4	Lt Ch Bias
3	GND
2	Lt Ch Feedback
1	Lt Ch Input

