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NTE1329 Integrated Circuit Module – Hybrid, Audio Power Amp 20 Watt, 2 Power Supplies Required

Features:

- Minimum Output Power – 20W
- Dual Channel – Single Power Supply
- Thick Film Hybrid
- Small Shock Noise

Absolute Maximum Ratings:

Supply Voltage, V_{CC} 63V
 Operating Case Temperature, T_C +85°C
 Storage Temperature Range, T_{stg} -30° to +100°C
 Allowable Load Shorting Time ($f = 50\text{Hz}$), t_s 2sec.

Electrical Characteristics: ($T_A = +25^\circ\text{C}$, $V_{CC} = 44\text{V}$, $R_L = 8\Omega$, $R_g = 600\Omega$, $V_G = 40\text{dB}$)

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Quiescent Current	I_{CCO}	$V_{CC} = 53\text{V}$	20	60	120	mA
Output Power	$P_{O(1)}$	THD = 1.0%, $f = 1\text{kHz}$	20	-	-	W
	$P_{O(2)}$	THD = 1.0%, $f = 30$ to 20kHz	10	-	-	W
Total Harmonic Distortion	THD	$P_O = 0.1\text{W}$, $f = 1\text{kHz}$	-	-	0.3	%
Frequency Response	f	$P_O = 1\text{W}$ +0dB -3dB	20 to 100K			Hz
Input Resistance	r_i	$P_O = 0.1\text{W}$	-	110	-	k Ω
Output Noise Voltage	V_{NO}	$V_{CC} = 53\text{V}$, $R_g = 10\text{k}\Omega$	-	-	0.8	mV _{rms}

Pin Connection Diagram

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

