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NTE1874 Integrated Circuit Module, Dual AF PO, 30W/Ch Dual Power Supply

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

Supply Voltage, $V_{CC \text{ max}}$	$\pm 30.5\text{V}$
Thermal Resistance, Junction-to-Case, R_{thJC}	2.6°C/W
Junction Temperature, T_J	150°C
Operating Case Temperature, T_C	125°C
Storage Temperature Range, T_{stg}	-30° to $+125^\circ\text{C}$
Available Time for Load Shorted ($V_{CC} = \pm 26\text{V}$, $R_L = 8\Omega$, $f = 50\text{Hz}$, $P_O = 25\text{W}$), t_s	2sec

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

Recommended Operating Voltage, V_{CC}	$\pm 20\text{V}$
Load Resistance, R_L	8Ω

Operating Characteristics: ($T_A = +25^\circ\text{C}$, $R_G = 600\Omega$, $V_G = 40\text{dB}$, R_L : Non-Inductive Load)

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Output Current	P_O		15	-	-	W
Total Harmonic Distortion	THD		-	-	0.3	%
Distortion Frequency Characteristic	f_L, f_H		20 to 50k			Hz
Input Impedance	r_i		-	55k	-	Ω
Output Noise Voltage	V_{NO}		-	-	1.2	mV_{rms}
Quiescent Current	I_{CCO}		-	100	-	mA
Middle Point Voltage	V_N		-70 to +70			mV
Muting Voltage	V_M		-	-5	-	V

Pin Connection Diagram

18	Rt Ch Input (-)
17	Rt Ch Input (+)
16	GND
15	Compensation
14	V _{CC} (-)
13	Rt Ch Output
12	Bypass
11	V _{CC} (+)
10	Lt Ch Output
9	V _{CC} (-)
8	Compensation
7	Compensation
6	Muting
5	Compensation
4	Compensation
3	Compensation
2	Lt Ch Input (+)
1	Lt CH Input (-)

