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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, $R_{thJC}$ .....	$2.6^\circ\text{C/W}$
Junction Temperature, $T_J$ .....	$150^\circ\text{C}$
Operating Case Temperature, $T_C$ .....	$125^\circ\text{C}$
Storage Temperature Range, $T_{stg}$ .....	$-30^\circ$ 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, $R_L$ .....	$8\Omega$

**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	-	$\Omega$
Output Noise Voltage	$V_{NO}$		-	-	1.2	$\text{mV}_{\text{rms}}$
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 <sub>CC</sub> (-)
13	Rt Ch Output
12	Bypass
11	V <sub>CC</sub> (+)
10	Lt Ch Output
9	V <sub>CC</sub> (-)
8	Compensation
7	Compensation
6	Muting
5	Compensation
4	Compensation
3	Compensation
2	Lt Ch Input (+)
1	Lt CH Input (-)

