

NTE1875 Integrated Circuit Module, Dual AF PO, 30W/Ch, Dual Power Supply

Features:

- Dual Power Supply
- For Optimum Performance, a Pre-Voltage Stage (such as NTE1338) is Required.

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

Supply Voltage, $V_{CC\text{max}}$ $\pm 48\text{V}$
 Supply Current, I_C 4A
 Thermal Resistance, Junction-to-Case, R_{thJC} 2.1°C/W
 Maximum Junction Temperature, T_J $+150^\circ\text{C}$
 Storage Temperature Range, T_{stg} -30° to $+105^\circ\text{C}$
 Available Time for Load Shorted ($V_{CC} = \pm 30\text{V}$, $R_L = 8\Omega$, $f = 50\text{Hz}$, $P_O = 30\text{W}$), t_s 2sec

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

Recommended Supply Voltage, V_{CC} $\pm 30\text{V}$
 Load Resistance, R_L 8Ω

Operating Characteristics: ($T_A = +25^\circ\text{C}$, $V_{CC} = \pm 30\text{V}$, $R_L = 8\Omega$, $R_g = 600\Omega$, $V_G = 26.3\text{dB}$ unless otherwise specified)

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Quiescent Current	I_{CCO}	$V_{CC} = \pm 34\text{V}$	15	35	80	mA
Output Power	P_O	THD = 0.01%, $f = 20\text{Hz}$ to 20kHz	30	—	—	W
Total Harmonic Distortion	THD	$P_O = 1$ to 30W , $f = 20\text{Hz}$ to 20kHz	—	—	0.01	%
Output Resistance	R_O		0.18	0.22	0.30	Ω

Pin Connection Diagram
(Front View)

16	Input B
15	V _{CC} (+)
14	Feedback B
13	Output B
12	Feedback B
11	V _{CC} (-)
10	Input B
9	N.C.
8	N.C.
7	Input A
6	V _{CC} (-)
5	Feedback A
4	Output A
3	Feedback A
2	V _{CC} (+)
1	Input A

