



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

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

Recommended Supply Voltage, V_{CC}	±30V
Load Resistance, R_L	8Ω

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

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

Pin Connection Diagram
(Front View)

