ELECTRONICS, INC.
44 FARRAND STREET
BLOOMFIELD, NJ 07003
(973) 748–5089
http://www.nteinc.com

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

Absolute Maximum Ratings: (T_A = +25°C unless otherwise specified)

Supply Voltage, $V_{CC\ max}$ . . . . . ±30.5V
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°C
Available Time for Load Shorted (V_{CC} = ±26V, R_L = 8Ω, f = 50Hz, P_O = 25W), t_s 2sec

Recommended Operating Conditions: (T_A = +25°C unless otherwise specified)

Recommended Operating Voltage, V_{CC} . . . . . ±20V
Load Resistance, R_L 8Ω

Operating Characteristics: (T_A = +25°C, R_g = 600Ω, V_G = 40dB, 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