ELECTRONICS, INC.
44 FARRAND STREET
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NTE1345
Integrated Circuit
Module, Hybrid, Dual Audio Power Amp, 30W/Ch, 2 Power Supplies Required

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

Supply Voltage, V_{CC}max . . . . . ±41V
Substrate Temperature, T_C . . . . . +105°C
Storage Temperature Range, T_{stg} . . . . . –30° to +105°C
Turn–On Time, t_s (V_{CC} = ±28V, P_O = 30W, R_L = 8Ω, f = 50Hz) 2sec

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

Supply Voltage, V_{CC} . . . . . ±28V
Load Resistance, R_L 8Ω

Electrical Characteristics: (T_A = 25°C, V_{CC} = ±28V, R_L = 8Ω, R_g = 600Ω, V_G = 40dB unless otherwise specified)

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Idle Current	I_{CCO}	V_{CC} = ± 34V	20	40	120	mA
Power Out	P_O	THD = 0.1%,f = 20Hz to 20kHz	30	–	–	W
		V_{CC} = ±25V, THD = 0.2%, R_L = 4Ω	40	–	–	W
Total Harmonic Distortion	THD	P_O = 1.0W	–	–	0.1	%
Breakpoints	f_L, f_H	P_O = 1.0W	10 to 100k			Hz
Source Impedance	ri	P_O = 1.0W	–	32	–	kΩ
Input Noise Voltage	V_{NO}	V_{CC} = ±34V	–	–	1.2	mV_{rms}
Transient Noise Voltage	V_N	V_{CC} = ±34V	–70	0	70	mV

Pin Connection Diagram
(Front View)