ELECTRONICS, INC.
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NTE1219
Integrated Circuit
Dual Audio Power Amp, 15 W/Ch

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

Supply Voltage (Pin7 to Pin4 or Pin12), V_{CC} 56V
Available Load Shorting Time (V_{CC} = 39V, P_O = 15W, R_L = 8Ω, f = 50Hz), t_s 2sec
Operating Case Temperature, T_C . . . . . +85°C
Storage Temperature Range, T_{stg} . . . . . –30° to +100°C

Recommended Operation Ratings: (T_A = +25°C unless otherwise specified)

Recommended Supply Voltage, V_{CC} 39V
Load Resistance, R_L 8Ω

Operation Characersitics: (T_A = +25°C, V_{CC} = 39V, R_L = 8Ω, R_g = 600Ω, VG = 40dB)

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Quiescent Current	I_{CCO}	V_{CC} = 47V	20	60	120	mA
Output Power	P_O	f = 1kHz, THD = 1.0%	15	–	–	W
		f = 30 to 20kHz, THD = 1.0%	7.5	–	–	W
Total Harmonic Distortion	THD	f = 1kHz, P_O = 0.1W	–	–	0.2	%
Frequency Response	f	P_O = 0.1W, –3dB	20 to 100k			Hz
Input Resistance	r_i	P_O = 0.1W	–	110	–	kΩ
Output Noise Voltage	V_{NO}	V_{CC} = 47V, R_g = 10kΩ	–	–	0.8	mV_{rms}

Note 1. These characteristics are tested using a voltage regulator when not noticed.
Note 2. Output Noise Voltage is defined as peak voltage of RMS meter indicating average value and does not include pulse–like noise.

Pin Connection Diagram
(Front View)