

NTE1333
Integrated Circuit
Module, Hybrid, Audio Power Amp,
40W, 2 Power Supplies Req'd

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

Supply Voltage, $V_{CC\text{max}}$	$\pm 48\text{V}$
Input Current, $I_{C\text{max}}$	5A
Thermal Resistance, Junction-to-Case, R_{thJC}	2°C/W
Junction Temperature, T_J	$+150^\circ\text{C}$
Storage Temperature Range, T_{stg}	-30° to $+105^\circ\text{C}$
Allowable Load Shorting Time ($V_{CC} = \pm 33\text{V}$, $R_L = 8\Omega$, $P_O = 40\text{W}$, $f = 50\text{Hz}$), t_s	2sec

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

Supply Voltage, V_{CC}	$\pm 33\text{V}$
Load Resistance, R_L	8Ω

Electrical Characteristics: ($T_A = +25^\circ\text{C}$, $V_{CC} = \pm 33\text{V}$, $R_L = 8\Omega$, $R_g = 600\Omega$, $V_G = 36.7\text{dB}$ unless otherwise specified)

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Quiescent Current	I_{CCO}	$V_{CC} = \pm 39\text{V}$	–	40	80	mA
Output Power	P_O	THD = 0.1%, $f = 20\text{Hz}$ to 20kHz	40	–	–	W
Total Harmonic Distortion	THD	$P_O = 40\text{W}$, $f = 20\text{Hz}$ to 20kHz	–	–	0.1	%
		$P_O = 1\text{W}$, $f = 20\text{Hz}$ to 20kHz	–	–	0.1	%

Pin Connection Diagram
(Front View)

