

NTE1338 Integrated Circuit Module, Hybrid, Dual Driver for 40W to 50W Audio Power Amp

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

Maximum Supply Voltage, V_{CCmax}	$\pm 55\text{V}$
Operating Case Temperature, T_C	$+115^\circ\text{C}$
Storage temperature Range, T_{stg}	-30° to $+115^\circ\text{C}$

Electrical Characteristics: ($T_A = +25^\circ\text{C}$, $V_G = 40\text{dB}$, $R_L = 33\text{k}\Omega$ unless otherwise specified)

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Quiescent Current	I_{CCO}	$V_{CC} = \pm 43\text{V}$	–	20	30	mA
Midpoint Voltage	V_N	$V_{CC} = \pm 43\text{V}$	–50	–	+50	mV
Output Noise Voltage	V_{NO}	$V_{CC} = \pm 43\text{V}$, $R_g = 0\Omega$	–	–	1.0	mV
Input Impedance	r_i	$V_{CC} = \pm 43\text{V}$, $V_O = 2.83\text{V}$, $f = 1\text{kHz}$	31	33	–	$\text{k}\Omega$
Total Harmonic Distortion	THD	$V_{CC} = \pm 36\text{V}$, $V_O = 17.9\text{V}$, $f = 20\text{kHz}$	–	0.005	0.01	%

Pin Connection Diagram
 (Front View)



