

**NTE1878**  
**Integrated Circuit**  
**Module, Voltage Amp for 2 Power,**  
**2 Channel, 40W to 50W AF 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, $T_{stg}$ .....	$-30^\circ$ to $+115^\circ\text{C}$

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

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Quiescent Current	$I_{CC}$	$V_{CC} = \pm 43\text{V}$	–	20	30	mA
Midpoint Voltage	$V_N$	$V_{CC} = \pm 43\text{V}$	–50	–	+50	mV
Output Noise Voltage	$V_{NO}$	$V_{CC} = \pm 43\text{V}$ , $R_g = 10\text{k}\Omega$	–	–	1.0	mV
Input Impedance	$r_i$	$V_{CC} = \pm 43\text{V}$ , $V_O = 2.83\text{V}$ , $f = 1\text{kHz}$	–	92	–	$\text{k}\Omega$
Total Harmonic Distortion	THD	$V_{CC} = \pm 36\text{V}$ , $V_O = 17.9\text{V}$ , $f = 20\text{kHz}$	–	–	0.005	%

**Pin Connection Diagram**  
 (Front View)



