

**NTE1879**  
**Integrated Circuit**  
**Module, Hybrid, Dual Audio Power Amp,**  
**18W/Ch, Dual Power Supplies**

**Applications:**

- Video Projectors

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

Supply Voltage, $V_{CC}$ .....	$\pm 30\text{V}$
Operating Case Temperature, $T_C$ .....	$+105^\circ\text{C}$
Storage Temperature Range, $T_{stg}$ .....	$-30^\circ$ to $+105^\circ\text{C}$
Total Thermal Resistance, Junction-to-Case, $R_{thJC}$ .....	$1.0^\circ\text{C/W}$
Available Time for Load Shorted ( $V_{CC} = \pm 20.5\text{V}$ , $R_L = 8\Omega$ , $P_O = 18\text{W}$ , $f = 50\text{Hz}$ ), $t_S$ .....	2sec

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

Supply Voltage, $V_{CC}$ .....	$\pm 24\text{V}$
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**Electrical Characteristics:** ( $T_A = +25^\circ\text{C}$ ,  $V_{CC} = \pm 24\text{V}$ ,  $R_g = 50\Omega$ , unless otherwise specified)

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Quiescent Current	$I_{CCO}$		–	15	25	mA
Noise Voltage	$V_{NO}$		–	–	0.2	$\text{mV}_{\text{rms}}$
Midpoint Voltage	$V_N$		–50	0	+50	mV
Output Delay Time	$t_D$	$V_{CC} = \pm 20.5\text{V}$ , $f = 15.75\text{kHz}$ , Triangular Wave Input $V_{P-P} = 1.5\text{V}$	–	–	1	$\mu\text{s}$

Note 1. For power supply at the time of test, use a constant-voltage power supply unless otherwise specified.

Note 2. The output noise voltage is represented by the peak value on an RMS scale ( $V_{TVM}$ ) of the average value indicated.

**Pin Connection Diagram**  
(Front View)

15	Rt Ch Input (+)
14	Rt Ch Input (-)
13	Bypass
12	Feedback
11	Rt Ch Output
10	Rt Ch (-) V <sub>CC</sub>
9	(+) V <sub>CC</sub>
8	(+) V <sub>CC</sub>
7	Lt Ch (-) V <sub>CC</sub>
6	Lt Ch Output
5	Feedback
4	Bypass
3	GND
2	Lt Ch Input (-)
1	Lt Ch Input (+)

