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NTE1820 Integrated Circuit Module, Dual AF PO, 30W/Ch, Dual Power Supply

Features:

- Contains Emitter Follower Circuit for Upgrading
- Case Temperature +125°C is Guaranteed, Thereby Enabling Great Reduction of Heat Sink
- By Attaching Muting Circuit Externally, Pop Noise at Power ON/OFF can be Rejected

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

Maximum Supply Voltage, V_{CCmax}	±43V
Thermal Resistance, Junction-to-Case, R_{thJC}	2.2°C/W
Maximum Junction Temperature, T_J	+150°C
Operating Case Temperature, T_C	+125°C
Storage Temperature Range, T_{stg}	-30° to +125°C
Available Time for Load Shorted ($V_{CC} = \pm 27.5V$, $R_L = 8\Omega$, $P_O = 30W$, $f = 50Hz$), t_s	2sec

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

Recommended Supply Voltage, V_{CC}	±27.5V
Load Resistance, R_L	8Ω

Operating Characteristics: ($T_A = +25^\circ\text{C}$, $V_{CC} = \pm 27.5V$, $R_L = 8\Omega$, $R_g = 600\Omega$, $V_G = 40dB$ unless otherwise specified)

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Quiescent Current	I_{CCO}	$V_{CC} = \pm 34V$	35	70	120	mA
Output Power	$P_{O(1)}$	THD = 0.02%, $f = 20Hz$ to 20kHz	30	-	-	W
	$P_{O(2)}$	$V_{CC} = \pm 23V$, THD = 0.08%, $R_L = 4\Omega$, $f = 1kHz$	30	-	-	W
Total Harmonic Distortion	THD	$P_O = 1W$, $f = 20Hz$ to 20kHz	-	-	0.02	%
Frequency Response	f_L, f_H	$P_O = 1W$	10 to 100k	-	-	Hz
Input Resistance	r_i	$P_O = 1W$	-	90k	-	Ω
Output Noise Voltage	V_{NO}	$V_{CC} = \pm 34V$	-	-	1.2	mV _{rms}
Midpoint Voltage	V_N	$V_{CC} = \pm 34V$	-70	-	+70	mV

