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## NTE1081A Integrated Circuit Audio Power Amplifier, 4.8W

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

Supply Voltage, $V_{CC}$	20V
Zero Input	17V
Operating	17V
Collector Current, $I_{CC(\text{Peak})}$	2.5A
Power Dissipation (with external heat sink), $P_D$	7W
Operating Temperature Range, $T_{opr}$	$-20^\circ$ to $+75^\circ\text{C}$
Storage Temperature Range, $T_{stg}$	$-40^\circ$ to $+150^\circ\text{C}$

**Electrical Characteristics:** ( $T_A = +25^\circ\text{C}$ ,  $V_{CC} = 13.2\text{V}$ ,  $f = 1\text{kHz}$ ,  $R_L = 4\Omega$ , unless otherwise specified)

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Standby Current	$I_{CC}$	Zero Input	15	28	45	mA
Output Power	$P_O$	THD = 10%	4.0	4.8	-	W
Total Harmonic Distortion	THD	$P_O = 0.5\text{W}$	-	0.6	1.2	%
Closed-Loop Voltage Gain	$G_V$		49.0	51.5	52.0	dB
Output Noise Level	$V_{NO}$	$R_g = \infty$	-	1.4	4.0	mV

