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## NTE1127 Integrated Circuit Audio Power Amplifier, 4.8W

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

Supply Voltage, $V_{CC1}$ .....	20V
Supply Voltage, $V_{CC2}$ .....	17V
Circuit Current, $I_{CCpeak}$ .....	2.5A
Power Dissipation (Note 1), $P_D$ .....	7W
Operating Temperature Range, $T_{opr}$ .....	-20 to +75°C
Storage Temperature Range, $T_{stg}$ .....	-40 to +150°C

Note 1. 100 x 100 x 1mm Aluminum Heat Sink

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

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Quiescent Current	$I_{CC}$		15	28	45	mA
Output Power	$P_o$	THD = 10%	4.0	4.5	-	W
Total Harmonic Distortion	THD	$P_o = 0.5\text{W}$	-	1.0	1.6	%
Voltage Gain	$A_V$		48.5	50.0	51.5	dB
Output Noise Voltage	$U_n$		-	1.4	4.0	mV

