

NTE1166
Integrated Circuit
Module, Hybrid, Audio Output, 5.8W
for Car Radio & CB

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

Power Supply Voltage, V_{CC}	18V
Power Dissipation ($T_C = +75^\circ\text{C}$), P_D	4.5W
Operating Temperature Range, T_{opr}	-20° to $+75^\circ\text{C}$
Storage Temperature Range, T_{stg}	-55° to $+125^\circ\text{C}$

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

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Quiescent Current	I_Q	$V_{IN} = 0$	–	28	70	mA
Voltage Gain (Closed Circuit)	G_{VC}	$f = 1\text{kHz}$, $R_L = 4\Omega$, $R_N = 68\Omega$	52	–	58	dB
Power Output	P_{out}	$f = 1\text{kHz}$, $R_L = 4\Omega$, THD = 10%	4.5	5.8	–	W
Total Harmonic Distortion	THD	$f = 1\text{kHz}$, $R_L = 4\Omega$, $P_{out} = 0.5\text{W}$	–	0.6	2.0	%
Output Noise Voltage	V_{NO}	$R_g = 10\text{k}\Omega$, $R_L = 4\Omega$	–	1.5	5.0	mV
Input Resistance	R_{in}	$f = 1\text{kHz}$	–	25	–	k Ω

Pin Connection Diagram
 (Front View)



