ELECTRONICS, INC.
44 FARRAND STREET
BLOOMFIELD, NJ 07003
(973) 748–5089

NTE1375
Integrated Circuit
Audio Power Amp for Car Radio, 5.8W

Absolute Maximum Ratings: (T_A = +25°C unless otherwise specified)

Supply Voltage, V_{CC} 18V
V_C Peak 40V
Power Dissipation, P_D 6.5W
Operating Junction Temperature, T_J . . . . . +150°C
Operating Temperature Range, T_{opr} . . . . . –20° to +75°C
Storage Temperature Range, T_{stg} . . . . . –30° to +125°C

Electrical Characteristics: (T_A = +25°C, V_{CC} = 13.2V, R_L = 4Ω, f = 1kHz unless otherwise specified)

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Quiescent Current	I_q	V_{IN} = 0	–	35	80	mA
Voltage Gain	G_{VE}	R_{NF} = 68Ω	52	55	58	dB
Output Power	P_{OUT}	THD = 10%	5.0	5.8	–	W
Total Harmonic Distortion	THD	P_{OUT} = 0.5W	–	003	1.5	%
Input Noise Voltage	V_{NO}	R_g = 10k	–	1.0	–	mV
Input Resistance	R_{in}	f = 1kHz	–	180	–	kΩ
Ripple Rejection	RR	f_{RR} = 100Hz, –10dB	–	40	–	dB

Pin Connection Diagram
(Front View)



