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

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

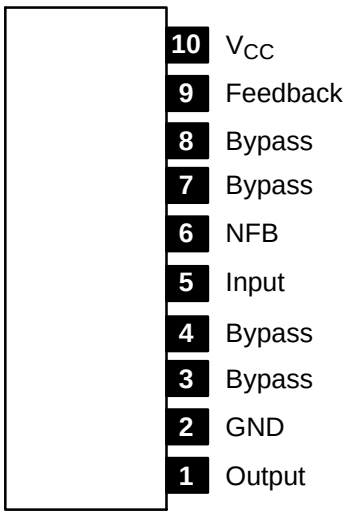
Absolute Maximum Ratings: (T_A = +25°C unless otherwise specified)

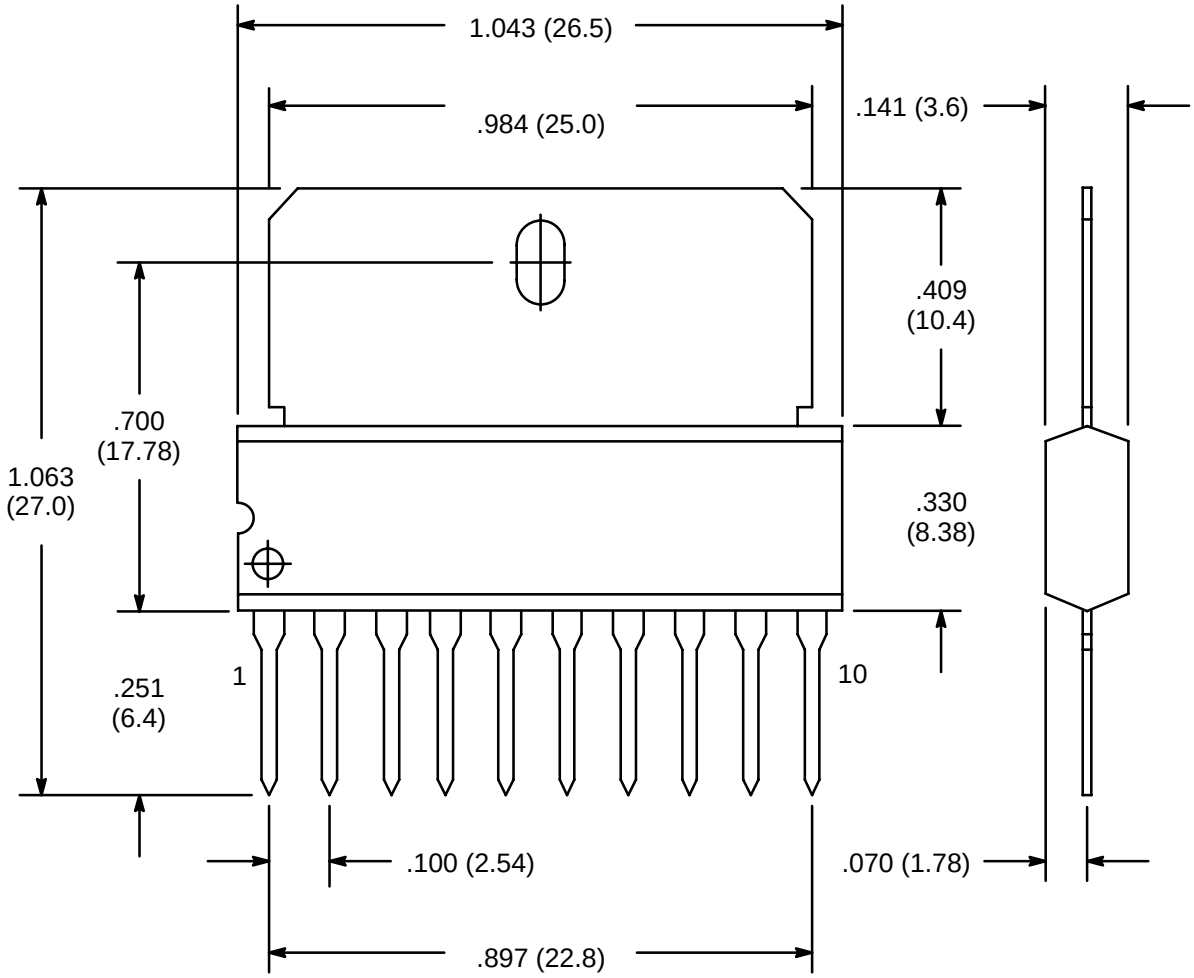
Power Supply Voltage, V_{CC} 18V
Power Dissipation (T_C = +75°C), P_D 4.5W
Operating Temperature Range, T_{opr} . . . . . –20° to +75°C
Storage Temperature Range, T_{stg} . . . . . –55° to +125°C

Electrical Characteristics: (T_A = +25°C, V_{CC} = 13.2V 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 = 1kHz, R_L = 4Ω, R_N = 68Ω	52	–	58	dB
Power Output	P_{out}	f = 1kHz, R_L = 4Ω, THD = 10%	4.5	5.8	–	W
Total Harmonic Distortion	THD	f = 1kHz, R_L = 4Ω, P_{out} = 0.5W	–	0.6	2.0	%
Output Noise Voltage	V_{NO}	R_g = 10kΩ, R_L = 4Ω	–	1.5	5.0	mV
Input Resistance	R_{in}	f = 1kHz	–	25	–	kΩ

Pin Connection Diagran
(Front View)




1.043 (26.5)
.984 (25.0)
.141 (3.6)
.409
(10.4)
.700
(17.78)
1.063
(27.0)
.330
(8.38)
1
10
.251
(6.4)
.100 (2.54)
.070 (1.78)
.897 (22.8)