

NTE1404 Integrated Circuit TV Sound IF Amplifier, Detector, AF Output Circuit

Description:

The NTE1404 is an integrated circuit in a 16-Lead DIP ^w/Fin type package designed for use as a TV sound signal processing circuit.

Features:

- Provides Total TV Sound Signal Processing Circuitry from IF Amplifier through AF Output
- DC Volume Control System: Control Voltage 0V to V_{CC}
- Fixed Detection Output Terminal for TV Sound Multiplex Application

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

Supply Voltage, V _{CC1}	V ₃₋₁₆ to 13.8V
Supply Voltage, V _{CC2}	V ₇₋₁₆ to 26V
Circuit Voltage, V ₆₋₁₆	6V to V ₃₋₁₆
Circuit Current (Peak), I _g	-1.2 to +1.2A
Power Dissipation, P _D	
Detector, DCVR Circuit	0.6W
Output Circuit	1.6W
Operating Ambient Temperature Range, T _{opr}	-20° to +70°C
Storage Temperature Range, T _{stg}	-55° to +150°C

Note 1. + and - are flow-in and flow-out current to/from the circuit respectively.

Electrical Characteristics: (T_A = +25°C unless otherwise specified)

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
DC Characteristics						
Total Circuit Current	I _{tot}	V ₃₋₁₆ = 12V	23	-	42	mA
Circuit Voltage	V ₁₋₁₆	V ₃₋₁₆ = 12V, Pin14 and Pin15 are connected	3.2	4.0	4.8	V
	V ₄₋₁₆		5.8	6.6	7.7	V
	V ₈₋₁₆		8.8	9.5	10.2	V
	V ₁₃₋₁₆		6.6	7.6	8.5	V

