



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

NTE1295 Integrated Circuit TV Signal Processor

Description:

The NTE1295 is an integrated circuit in an 18-Lead DIP type package designed for color TV deflection signal processing circuit. It can be operated with 12V power supply and is suitable for compact and medium-sized color TV sets.

Features:

- Built-In Vertical Deflection Driver Circuit
- Incorporating Vertical and Horizontal Oscillator Circuit, Operations Highly Stable Against Changes in Supply Voltage and Temperature.
- Highly Stable Synchronous Separation Circuit Against Noise
- Built-In High Tension Protector Circuit (X-Ray Protection)
- 12V Supply Voltage Operation.

Absolute Maximum Ratings: ($T_A = +25^\circ\text{C}$, Note 1 unless otherwise specified)

Supply Voltage

V ₇₋₈	10.5V
V ₁₅₋₈	14.4V

Circuit Voltage

V ₁₋₈	0 to 10V
V ₁₀₋₈	0 to V ₁₅₋₈
V ₁₂₋₈	0 to V ₁₅₋₈
V ₁₇₋₈	-0.6 to 6.0V
V ₁₈₋₈	-3 to +2V

Supply Current

I ₇	15mA
I ₁₅	20mA

Circuit Current

I ₂	-3 to +3mA
I ₃	-5 to 0mA
I ₄	-5 to +5mA
I ₅	-1 to +1mA
I ₆	-20 to 0mA
I ₉	-15 to 0mA
I ₁₂	-1 to +150mA
I ₁₃	0 to 40mA

Power Dissipation, P_D 450mW

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 currents to/from the circuit, respectively.

