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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 $+70^\circ\text{C}$
Storage Temperature Range, T_{stg}	-55° to $+150^\circ\text{C}$

Note 1. \oplus and \ominus are flow-in and flow-out currents to/from the circuit, respectively.

