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NTE926 Integrated Circuit Quad Timer

Description:

The NTE926 quad timer is a monolithic timing device which can be used to produce four independent timing functions. The NTE926 output sinks current. This highly stable, general purpose controller can be used in a monostable mode to produce accurate time delays—from microseconds to hours. In the time delay mode of operation, the time is precisely controlled by one external resistor and one capacitor. A stable operation can be achieved by using two of the four timer sections.

The four timer section in the NTE926 are edge-triggered, therefore, when connected in tandem for sequential timing applications, no coupling capacitors are required. Output current capability of 100mA is provided in both devices.

Features:

- 100mA Output Current per Section
- Edge-triggered (No Coupling Capacitor)
- Output Independent of Trigger Conditions
- Wide Supply Voltage Range 4.5V to 18V
- Timer Intervals from Microseconds to Hours
- Time Period Equals RC

Applications:

- Sequential Timing
- Time Delay Generation
- Precision Timing
- Quad One-Shot

Absolute Maximum Ratings:

Supply Voltage, V_{CC}	+16V
Maximum Power Dissipation ($T_A = +25^\circ\text{C}$), P_D	1450mW
Derate Above 25°C	11.6mW/ $^\circ\text{C}$
Operating Ambient Temperature Range, T_A	0 to $+70^\circ\text{C}$
Storage Temperature Range, T_{stg}	-65 to $+150^\circ\text{C}$
Lead Soldering Temperature (10 Sec Max), T_{SOLD}	$+300^\circ\text{C}$

