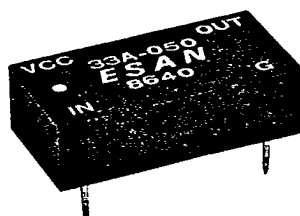


Active Delay Line (TTL Interface)

33A Series

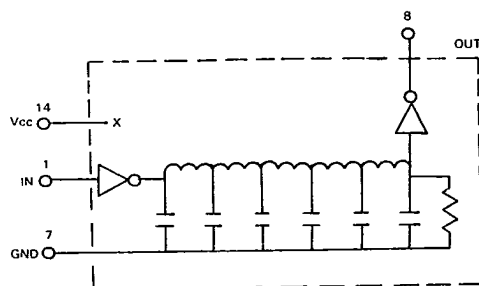
- Single Output
- TTL Compatible
- 14 Pin Dip Package

**Specifications:**

- Delay tolerance : $\pm 5\%$ or 2ns whichever is greater
- Rise time : 4ns max.
- Temp. coefficient : 100 ppm/ $^{\circ}\text{C}$
- Operating Temp. Range : -0°C to 70°C (-55°C to $+125^{\circ}\text{C}$ on request)
- Minimum Pulse Width : 40% of total delay
- Supply Voltage : $5\text{V}_{\text{cc}} \pm 5\%$
- Logic 1 Input current : 50 μA max.
- Logic 0 Input current : -2 mA max.
- Logic 1 Output : 2.75V min.
- Logic 0 Output : 0.4V max.
- Logic 1 Fan out : 20/TAP max.
- Logic 0 Fan out : 10/TAP max.
- Power Dissipation : 375 mW max.

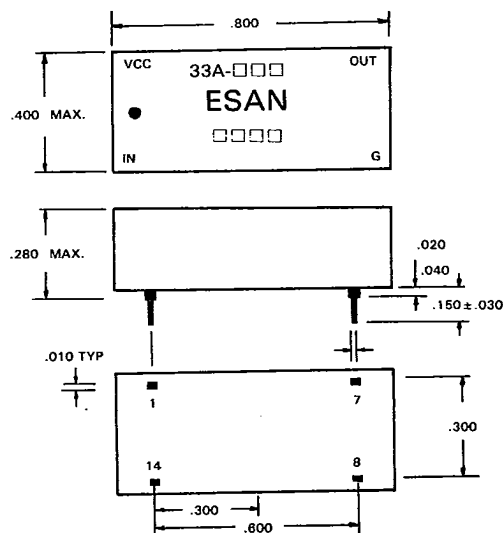
Test Conditions:

- Input pulse voltage : 3.2V
- Input pulse width : 1.2 * total delay
- Input pulse spacing : 2 * total delay
- Input pulse rise time : 2 ns
- Rise time : 0.75V to 2.4V
- Time delay measured : @1.5V level
- All measurement : @ $V_{\text{cc}} = 5.0\text{V}$, $T_A = 25^{\circ}\text{C}$

**Features:**

- Schottky TTL interface
- Low power schottky available named "33AL- xxx" series
- Both Leading and Trailing edge available under request named "33B- xxx" series
- Ceramic IC meet MIL-STD 883 level B available named "33AM- xxx" series

PART NO.	DELAY TIME (ns)
33A-025	25
33A-050	50
33A-075	75
33A-100	100
33A-125	125
33A-150	150
33A-200	200
33A-250	250
33A-300	300
33A-400	400
33A-500	500



Unit: Inch