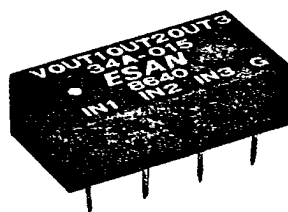


Active Delay Line (TTL Interface)

34A Series

- Triple TTL Compatible
- Triple Input/Output
- 14 Pin Dip Package

**Specifications:**

- Delay tolerance : $\pm 5\%$ or 2ns
whichever is greater
- Rise time : 4ns max.
- Temp. coefficient : 100 ppm/°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 : $5\text{V}_{\text{DC}} \pm 5\%$
- 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.

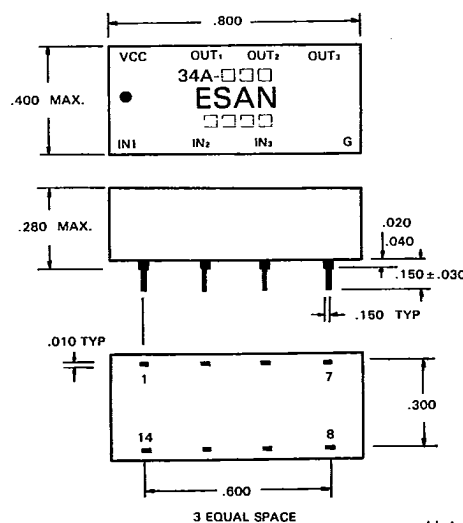
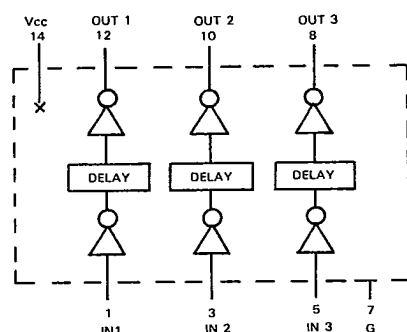
Test Conditions:

- Input pulse voltage : 3.2V
- Input pulse width : $1.2 \times \text{total delay}$
- Input pulse spacing : $2 \times \text{total delay}$
- 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 "34AL- xxx" series
- Both Leading and Trailing edge available under request named "34B- xxx" series
- Ceramic IC meet MIL-STD 883 level B available named "34AM- xxx" series

PART NO.	DELAY TIME (ns)
34A-025	25
34A-050	50
34A-075	75
34A-100	100
34A-125	125
34A-150	150
34A-200	200
34A-250	250
34A-300	300
34A-400	400
34A-500	500



Unit: Inch