

SERIES 613 8 PIN DUAL FAST LOGIC DELAY MODULES

- 8 Pin DIP Auto-Insertable • Two Independent Equal Delay Units Per Package
- TTL and DTL Compatible

Specifications:

- Supply Voltage : 4.75 to 5.25VDC
- Logic 1 Input Current : 100 μ A Max
- Logic 0 Input Current : -1.6mA Max
- Logic 1 Volt Out : 2.5V Min
- Logic 0 Volt Out : 0.5V Max
- Logic 1 Fan-Out : 25 Max
- Logic 0 Fan-Out : 12.5 Max
- Output Rise Time⁽²⁾ : 2NSEC TYP.
- Operating Temp Range : 0°C to 70°C
- Temperature Coefficient : 100 PPM/°C

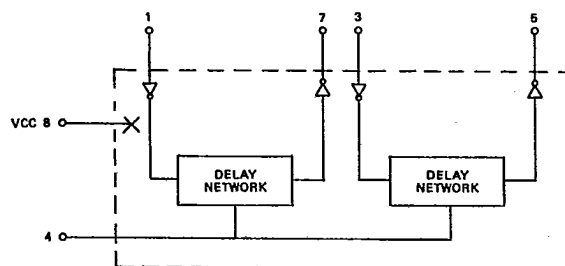
Input Test Conditions:

- Input Pulse Voltage : 3.2V
- Input Rise Time : ≤ 2 NS
- Pulse Width : 40% of Total Delay
- Supply Current ICCL* : 54mA
- ICCH* : 12mA

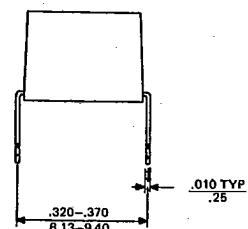
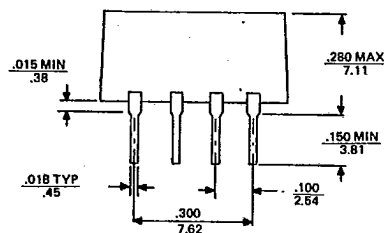
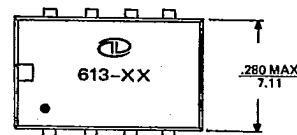
Electrical Specifications at 25°C (Measured with no Loads on Taps)

Part Number	Total Delay Nanosecond (1)
613-5	5 $\pm$ 1
613-6	6 $\pm$ 1
613-8	8 $\pm$ 2
613-10	10 $\pm$ 2
613-12	12 $\pm$ 2
613-16	16 $\pm$ 2
613-25	25 $\pm$ 2
613-30	30 $\pm$ 2
613-35	35 $\pm$ 2
613-40	40 $\pm$ 2
613-45	45 $\pm$ 2.2
613-50	50 $\pm$ 2.5
613-60	60 $\pm$ 3
613-75	75 $\pm$ 3.5
613-100	100 $\pm$ 5.0
613-125	125 $\pm$ 5.5
613-150	150 $\pm$ 6.0
613-175	175 $\pm$ 6.7
613-200	200 $\pm$ 10
613-250	250 $\pm$ 12.5

Note: (1) Measured at 1.5v level leading edge.
(2) Measured from 0.75v to 2.4v.



SCHEMATIC



INCHES .XXX $\pm$.010
MILLIMETERS .XX $\pm$.25