

## SERIES 621 5-TAPS 14 PIN H-CMOS DIGITAL DELAY MODULES

- 14 Pin DIL Package • H-Cmos Logic • 5 Equally Spaced Taps
- Low Cost Unit

**Specifications:**

- Supply Voltage : 4.75 to 5.25VDC
- Logic 1 Input Voltage : 3.2v
- Logic 0 Input Voltage : 0.9v
- Logic 1 Output Voltage : 4.5v
- Logic 0 Output Voltage : 0.1v
- Input Current : 1 $\mu$ A Max
- Supply Current : ICCH = 5mA, ICCL = 20 $\mu$ A
- Fan-Out : 10 LSTTL Loads Min
- Rise-Time : 8NS TYP. (measured from 0.8v to 2.0v)
- Operating Temp Range : 0°C to 70°C
- Temp Coefficient : 300 PPM/°C



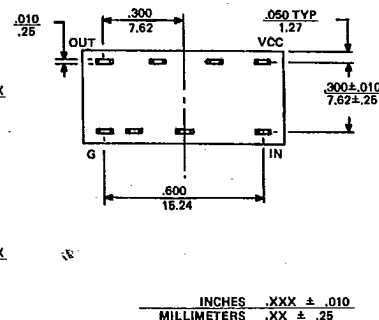
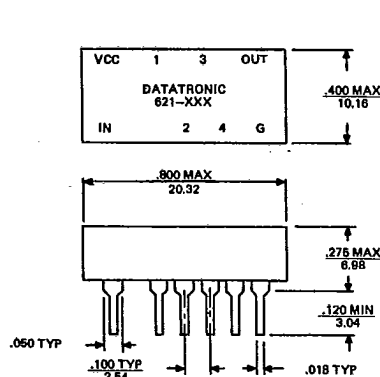
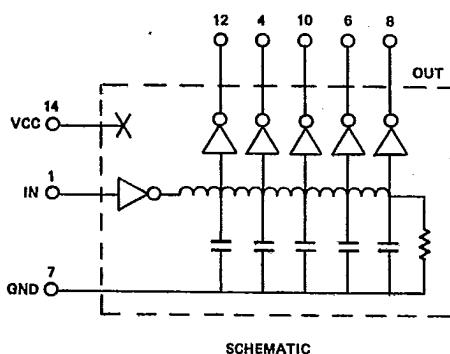
Electrical Specifications at 25°C (Measured with no Loads on Taps)

| Part Number | Total Delay Nanosecond (1) | Tap To Tap Delay NSEC (1) |
|-------------|----------------------------|---------------------------|
| 621-4*      | 4 $\pm$ 1                  | 1 $\pm$ 0.5               |
| 621-5*      | 5 $\pm$ 1                  | 1.2 $\pm$ 0.5             |
| 621-6*      | 6 $\pm$ 1                  | 1.5 $\pm$ 0.5             |
| 621-8*      | 8 $\pm$ 2                  | 2 $\pm$ 0.5               |
| 621-10*     | 10 $\pm$ 2                 | 2.5 $\pm$ 0.5             |
| 621-12*     | 12 $\pm$ 2                 | 3 $\pm$ 0.5               |
| 621-16*     | 16 $\pm$ 2                 | 4 $\pm$ 0.6               |
| 621-25      | 25 $\pm$ 2                 | 5 $\pm$ 0.8               |
| 621-30      | 30 $\pm$ 2                 | 6 $\pm$ 1                 |
| 621-35      | 35 $\pm$ 2                 | 7 $\pm$ 1                 |
| 621-40      | 40 $\pm$ 2                 | 8 $\pm$ 1                 |
| 621-45      | 45 $\pm$ 2.2               | 9 $\pm$ 1                 |
| 621-50      | 50 $\pm$ 2.5               | 10 $\pm$ 2                |
| 621-60      | 60 $\pm$ 3                 | 12 $\pm$ 2                |
| 621-75      | 75 $\pm$ 3.5               | 15 $\pm$ 2                |
| 621-100     | 100 $\pm$ 5.0              | 20 $\pm$ 2                |
| 621-125     | 125 $\pm$ 5.5              | 25 $\pm$ 2                |
| 621-150     | 150 $\pm$ 6.0              | 30 $\pm$ 3                |
| 621-175     | 175 $\pm$ 8.7              | 35 $\pm$ 3.5              |
| 621-200     | 200 $\pm$ 10               | 40 $\pm$ 4                |
| 621-250     | 250 $\pm$ 12.5             | 50 $\pm$ 5                |
| 621-300     | 300 $\pm$ 15               | 60 $\pm$ 6                |
| 621-350     | 350 $\pm$ 17.5             | 70 $\pm$ 7                |
| 621-400     | 400 $\pm$ 20               | 80 $\pm$ 8                |
| 621-500     | 500 $\pm$ 25               | 100 $\pm$ 10              |

Note: (1) Measured at 1.5v level leading edge.

\*Time Delay measured with respect to 1st Tap.

Version A profile 0.250 inch and B profile 0.210 inch are available.  
Please add A or B to above part number if lower profile is required.  
(i.e. DL621-4A)



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