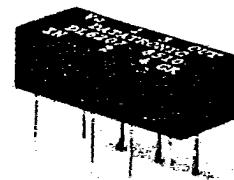


## SERIES 604 5-TAPS 16 PIN FAST LOGIC DELAY MODULES

- 16 Pin DIL Package • TTL and DTL Compatible • 5 Equally Spaced Taps

**Specifications:**

- Supply Voltage : 4.75 to 5.25VDC
- Logic 1 Input Current : 100 $\mu$ 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<sup>(2)</sup> : 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 :  $\leq 2$ NS
- Pulse Width : 40% of Total Delay
- Supply Current ICCL\* : 32mA
- ICCH\* : 7mA

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

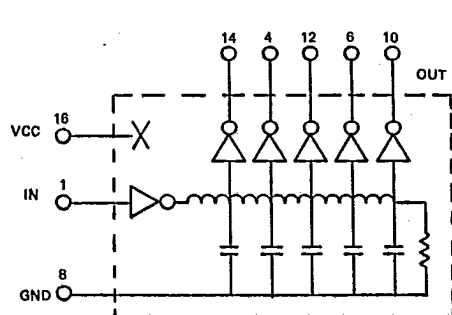
| Part Number | Total Delay Nanosecond (1) | Tap To Tap Delay NSEC (1) |
|-------------|----------------------------|---------------------------|
| 604-4*      | 4 $\pm$ 1                  | 1 $\pm$ 0.5               |
| 604-5*      | 5 $\pm$ 1                  | 1.2 $\pm$ 0.5             |
| 604-6*      | 6 $\pm$ 1                  | 1.5 $\pm$ 0.5             |
| 604-8*      | 8 $\pm$ 2                  | 2 $\pm$ 0.5               |
| 604-10*     | 10 $\pm$ 2                 | 2.5 $\pm$ 0.5             |
| 604-12*     | 12 $\pm$ 2                 | 3 $\pm$ 0.5               |
| 604-16*     | 16 $\pm$ 2                 | 4 $\pm$ 0.6               |
| 604-25      | 25 $\pm$ 2                 | 5 $\pm$ 0.8               |
| 604-30      | 30 $\pm$ 2                 | 6 $\pm$ 1                 |
| 604-35      | 35 $\pm$ 2                 | 7 $\pm$ 1                 |
| 604-40      | 40 $\pm$ 2                 | 8 $\pm$ 1                 |
| 604-45      | 45 $\pm$ 2.2               | 9 $\pm$ 1                 |
| 604-50      | 50 $\pm$ 2.5               | 10 $\pm$ 2                |
| 604-60      | 60 $\pm$ 3                 | 12 $\pm$ 2                |
| 604-75      | 75 $\pm$ 3.5               | 15 $\pm$ 2                |
| 604-100     | 100 $\pm$ 5.0              | 20 $\pm$ 2                |
| 604-125     | 125 $\pm$ 5.5              | 25 $\pm$ 2                |
| 604-150     | 150 $\pm$ 6.0              | 30 $\pm$ 3                |
| 604-175     | 175 $\pm$ 8.7              | 35 $\pm$ 3.5              |
| 604-200     | 200 $\pm$ 10               | 40 $\pm$ 4                |
| 604-250     | 250 $\pm$ 12.5             | 50 $\pm$ 5                |
| 604-300     | 300 $\pm$ 15               | 60 $\pm$ 6                |
| 604-350     | 350 $\pm$ 17.5             | 70 $\pm$ 7                |
| 604-400     | 400 $\pm$ 20               | 80 $\pm$ 8                |
| 604-500     | 500 $\pm$ 25               | 100 $\pm$ 10              |

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

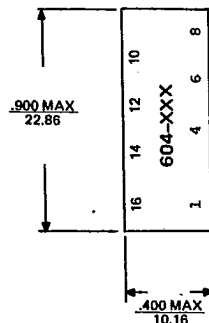
(2) Measured from 0.75v to 2.4v.

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

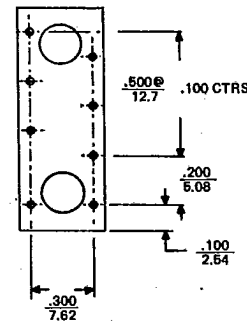
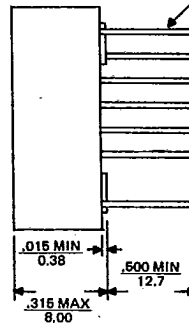
Version A profile 0.250 inch and B profile 0.210 inch are available.  
Please add A or B to above part number if lower profile is required.  
(i.e. DL604-4A or DL604-4B)



SCHEMATIC



#24 AWG SOLDERABLE LEADS (8)



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