

# Digital Delay Units

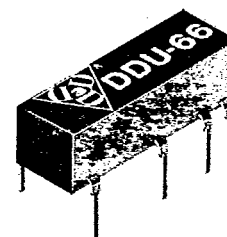
**SERIES: DDU-66**
**T<sup>2</sup>L Interfaced, 5 Outputs  
14 pin DIP & Surface Mount**
**data  
delay  
devices, inc.**

**Features:**

- Automatic insertable.
- Through-hole or surface mount leads.
- Low cost.

**Specifications:**

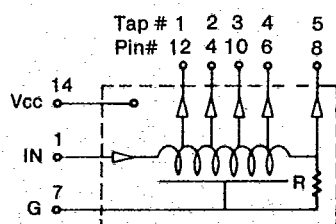
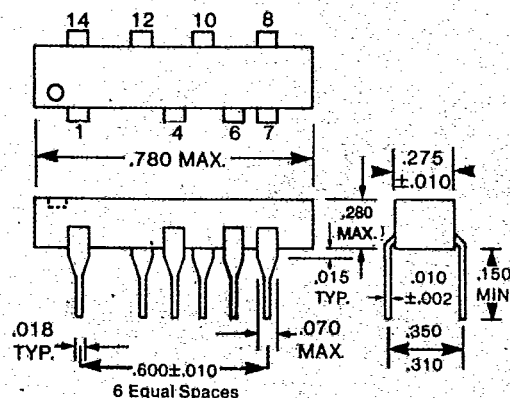
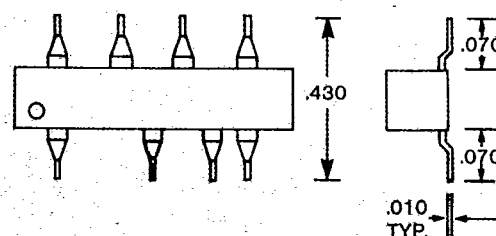
- Outputs: 5, equally spaced.
- Delay tolerance: see table.
- Rise-time: 4 ns typically.
- Minimum pulse width: 40% of total delay.
- Temperature range: 0° C to 70° C.
- Temperature coefficient: 100 PPM/°C.
- Supply voltage: 4.75 to 5.25 Vdc.
- Input signal: TTL logic.
- Output fan-out: TTL Schottky loads.
- Power dissipation: 375 mw max.
- Leads: Alloy 42, tin plated.



Part No. Table

| DDU-66<br>(Standard) | DDU-66<br>(Type "A") | DDU-66<br>(Type "B") | Total Delay<br>(ns) | Tap Delay<br>(ns) |
|----------------------|----------------------|----------------------|---------------------|-------------------|
| *DDU-66-4            | *DDU-66-4A           | *DDU-66-4B           | 4 ± 1               | 1 ± 0.5           |
| *DDU-66-6            | *DDU-66-6A           | *DDU-66-6B           | 6 ± 1               | 1.5 ± 0.5         |
| *DDU-66-8            | *DDU-66-8A           | *DDU-66-8B           | 8 ± 2               | 2 ± 1             |
| *DDU-66-10           | *DDU-66-10A          | *DDU-66-10B          | 10 ± 2              | 2.5 ± 1           |
| *DDU-66-12           | *DDU-66-12A          | *DDU-66-12B          | 12 ± 2              | 3 ± 1             |
| *DDU-66-16           | *DDU-66-16A          | *DDU-66-16B          | 16 ± 2              | 4 ± 1.5           |
| *DDU-66-20           | *DDU-66-20A          | *DDU-66-20B          | 20 ± 3              | 5 ± 2             |
| DDU-66-25            | DDU-66-25A           | DDU-66-25B           | 25 ± 3              | 5 ± 2             |
| DDU-66-30            | DDU-66-30A           | DDU-66-30B           | 30 ± 3              | 6 ± 2             |
| DDU-66-35            | DDU-66-35A           | DDU-66-35B           | 35 ± 3              | 7 ± 2             |
| DDU-66-40            | DDU-66-40A           | DDU-66-40B           | 40 ± 3              | 8 ± 2             |
| DDU-66-45            | DDU-66-45A           | DDU-66-45B           | 45 ± 3              | 9 ± 3             |
| DDU-66-50            | DDU-66-50A           | DDU-66-50B           | 50 ± 3              | 10 ± 3            |
| DDU-66-60            | DDU-66-60A           | DDU-66-60B           | 60 ± 3              | 12 ± 3            |
| DDU-66-75            | DDU-66-75A           | DDU-66-75B           | 75 ± 4              | 15 ± 3            |
| DDU-66-100           | DDU-66-100A          | DDU-66-100B          | 100 ± 5             | 20 ± 3            |
| DDU-66-125           | DDU-66-125A          | DDU-66-125B          | 125 ± 6.5           | 25 ± 3            |
| DDU-66-150           | DDU-66-150A          | DDU-66-150B          | 150 ± 7.5           | 30 ± 3            |
| DDU-66-175           | DDU-66-175A          | DDU-66-175B          | 175 ± 8             | 35 ± 4            |
| DDU-66-200           | DDU-66-200A          | DDU-66-200B          | 200 ± 10            | 40 ± 4            |
| DDU-66-250           | DDU-66-250A          | DDU-66-250B          | 250 ± 12.5          | 50 ± 5            |

\*Time delay measured with respect to 1st tap. 6 ns ± 1 ns inherent delay.


**STANDARD  
DIP-MOUNT**

**TYPE "A"  
SURFACE-MOUNT**

**TYPE "B"  
SURFACE MOUNT**
