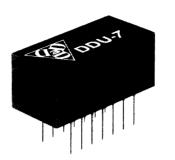
Digital Delay Units

SERIES DDU-7

10 Taps (14 pins DIP) T²L Interfaced





(Military Type)

Features:

- Completely interfaced for TTL and DTL application
- No external components required
- P.C. board space economy achieved
- Fits standard 14 pins DIP socket
- Operates over full military temperature range

Specifications:

No. Taps: 10 equally spaced taps
 ■ Total Delay Tolerance: ±5% or better, or 2 NS whichever is greater.

■ Rise-time: 4 NS typically

■ Temperature coefficient: 100 PPM/°C
 ■ Temperature range: -55°C to +125°C
 ■ Supply voltage: 4.5 to 5.5 Vdc.
 ■ Logic 1 input current: 100 µa max.
 ■ Logic 0 input current: -4 ma. max.

■ Logic 1 V out: 2.5 V min.
■ Logic 0 V out: 0.5 V max.
■ Logic 1 Fan-out: 20/tap max.
■ Logic 0 Fan-out: 10/tap max.
■ Power Dissipation: 740 MW max.

Part No.	Total Delay NS	Delay Per Tap NS
*DDU-7-10	9	1 ± .4
*DDU-7-20	18	2 ± .5
*DDU-7-25	22.5	2.5 ± .7
*DDU-7-50	45	5.0 ±1.5
DDU-7-100	100	10.0 ±2.0
DDU-7-150	150	15.0 ±2.0
DDU-7-200	200	20.0 ±2.0
DDU-7-250	250	25.0 ±2.0
DDU-7-300	300	30.0 ±3.0
DDU-7-400	400	40.0 ±4.0
DDU-7-500	500	50.0 ±5.0

Test Conditions:

- Input Pulse Width: ≥150% of total delay.
- Time delay measured @ 1.5 V on rising edge.
- Unless otherwise specified all time-delays are referenced to input of delay line.
- Rise-time is measured from .75 V to 2.4 V of leading edge.
- All measurements made @ $V_{cc} = 5V$; $T_A = -25$ °C.

