

**DATATRONICS**  
**SERIES DL6300 DIGITAL DELAY MODULES**

26E D ■ 2651482 0000216 & ■ T-47-13

- 14 Pin Package
- TTL and DTL Compatible
- 5 Equally Spaced Taps



**Specifications**

- Supply Voltage : 4.75 to 5.25VDC
- Logic 1 Input Current : 50µA Max
- Logic 0 Input Current : -2mA Max
- Logic 1 Volt Out : 2.5v Min
- Logic 0 Volt Out : 0.5v Max
- Logic 1 Fan-Out : 20/Tap Max
- Logic 0 Fan-Out : 10/Tap Max
- Power Dissipation : 240mW Total
- Operating Temp Range : 0°C to 70°C
- Temp Coefficient : 100PPM/°C

**Input Test Conditions**

- Input Pulse Voltage : 3.2v
- Input Rise Time : ≤ 3NS
- Input Current : 60mA Typ.
- Pulse Width : Min 40% of Total Delay

Electrical Specifications at 25°C (measured with no loads on Taps)

Part Number	Total Delay NS ± 5%	Tap to Tap Delay NS(1)	Rise Time NS Max(2)
DL6305	25	5	3
DL6523	30	6	3
DL6306	50	10	3
DL6525	60	12	3
DL6526	75	15	3
DL6307	100	20	3
DL6513	125	25	3
DL6308	150	30	3
DL6309	200	40	3
DL6310	250	50	4
DL6311	300	60	5
DL6582	350	70	5
DL6312	400	80	5
DL6521	450	90	5
DL6313	500	100	5
DL6314	1000	200	7

Note: (1) Measured at 1.5v level leading edge, Tol. ±5% or ±2NS, whichever is greater.  
 (2) Measured from 0.75v to 2.4v.

Version B low profile 0.210 inch max height is also available.  
 Please add 'B' to above part numbers if 0.210 inch height is required (i.e. DL6305B).

