

**ALLEN
AVIONICS,
INC.**

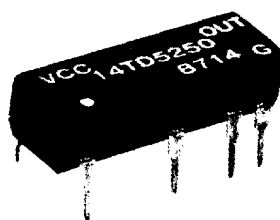
10T 14 PIN AUTO-INSERTABLE 5 TAP ACTIVE

14TD 14 PIN DIL 10 TAP ACTIVE

14TD

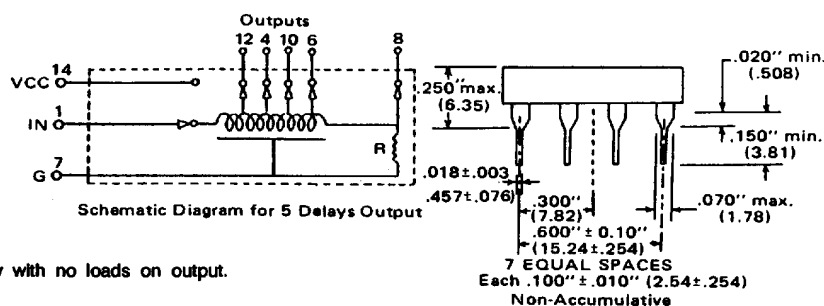
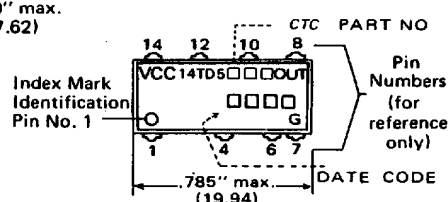
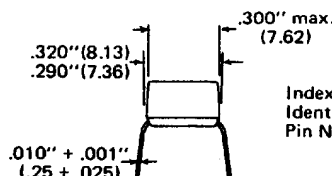
SPECIFICATIONS:

- Operating temperature range 0°C to +70°C. (-55°C to +125°C on request).
- Supply voltage: 5.0 ± 0.25 VDC.
- Supply Current: ICCH 30mA max. ICCL 60mA max.
- Input pulse amplitude: 3.2 volts.
- Input pulse width: min 100% of total delay.
- Input pulse PPR: min 3 × pulse width.
- Input rise time: 2.0ns.
- Output rise time: 4.0ns max.



PART NO.	TOTAL DELAY (ns)	TAP TO TAP (ns)
14TD5200	20±2	4±2
14TD5250	25±2	5±2
14TD5300	30±2	6±2
14TD5400	40±2	8±2
14TD5500	50±2.5	10±2
14TD5600	60±3	12±2
14TD5750	75±3.7	15±2

PART NO.	TOTAL DELAY (ns)	TAP TO TAP (ns)
14TD5101	100± 5	20±2
14TD5125	125± 6.2	25±2
14TD5151	150± 7.5	30±2
14TD5175	175± 8.7	35±2
14TD5201	200± 10	40±2
14TD5251	250± 12.5	50±2.5
14TD5301	300± 15	60±3



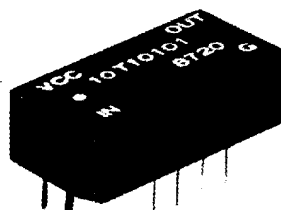
NOTES:

- Delay measured at 1.5 volts on leading edge only with no loads on output.
- Rise time measured from 0.75 volts to 2.4 volts.
- Others upon request.

10T

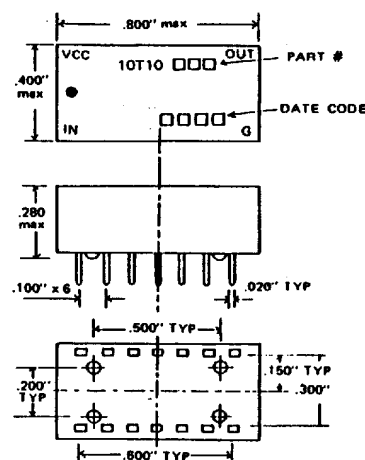
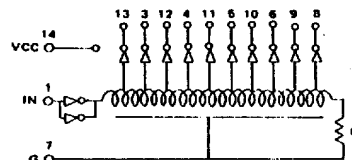
SPECIFICATIONS:

- Low profile.
- Rise time: 4ns maximum.
- Ten(10)equally-spaced delay taps.
- Operating temperature range: 0°C to +70°C. (-55°C to -125°C on request).
- Voltage supply vcc: 5.0 ± 0.5 VDC.
- Input pulse voltage: 3.2v.
- Rise time of input pulse: 2.0ns.
- Duty cycle: 50% or less.
- Logic 1 of input: 50ua max, 2.0v min.
- Logic 0 of input: -2.0ma max, 0.8v max.
- Logic 1 of output: 4.0 ma max, 2.4V min.
- Logic 0 of output: 9.0ma max, 0.4v max.
- Logic 1 fanout: 20/tap max.
- Logic 0 fanout: 10/tap max.



PART NO.	TOTAL DELAY (ns)	TAP TO TAP (ns)
10T10500	50	5±2
10T10101	100	10±2
10T10151	150	15±2
10T10251	200	20
10T10251	250	25

PART#	TOTAL DELAY (ns)	TAP TO TAP (ns)
10T10301	300	30
10T10351	350	35
10T10401	400	40
10T10451	450	45
10T10501	500	50



*Customer Requirements On Request

- Delay time measured at 1.5v level on leading edge with no loads on taps(load on request).
- Rise time measured from 0.75v to 2.4v level.
- Tap tolerances are indicated on above table.