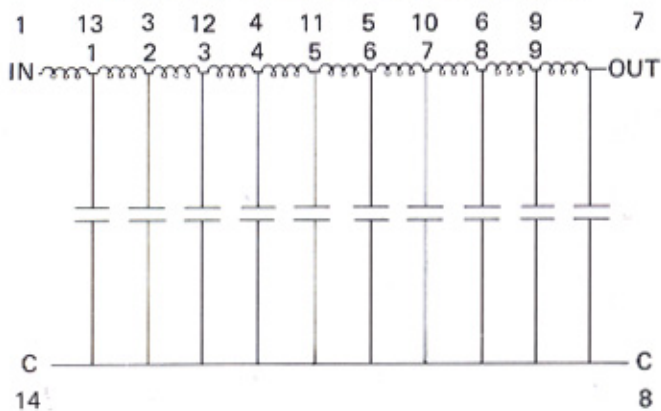
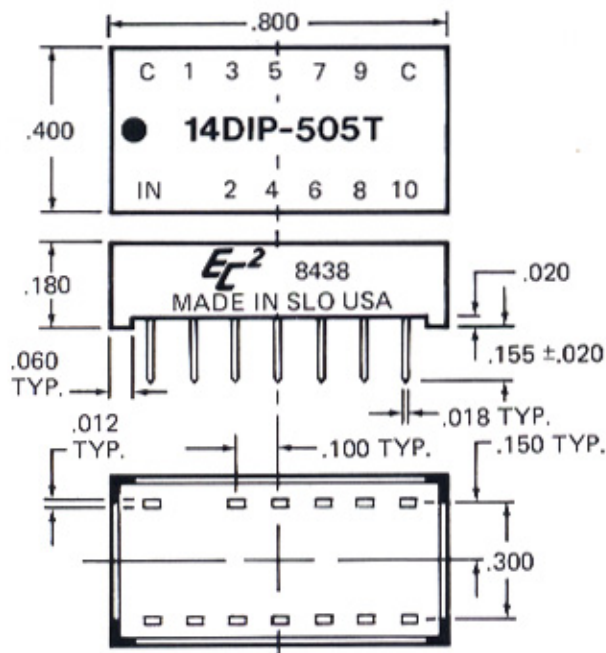


BLOCK DIAGRAM IS SHOWN BELOW



MECHANICAL DETAIL IS SHOWN BELOW



TEST CONDITIONS

1. All measurements are made at 25°C.
2. Test procedures in accordance with MIL-D-23859.

OPERATING CHARACTERISTICS

- Total delay tolerance: See tabulations
- Tap delay tolerance: See tabulations ϕ
- Rise time, maximum: See tabulations
- Impedance: 50, 100 or 200 ohms
- Impedance tolerance: $\pm 10\%$
- DC resistance, maximum: See tabulations
- Attenuation, maximum:5 db
- Distortion, maximum: $\pm 5\%$
- Overshoot, maximum: 10%
- Working voltage, maximum: 25V DC
- Dielectric strength: 100V DC @ 50ua
- Insulation resistance, minimum: 10,000 megohms @ 100V DC

ϕ Referenced from input of delay line.

PART NUMBER TABLE

Part Number	Delay Time (ns)	Rise Time (ns)	ϕ Tap Delay (ns)	Impedance (ohms)	DCR (ohms)
14DIP-505T	5 \pm 0.5	2.0	0.5 \pm 0.2	50	1.5
14DIP-510T	10 \pm 0.7	3.5	1.0 \pm 0.5		1.5
14DIP-515T	15 \pm 1.0	4.5	1.5 \pm 0.5		1.5
14DIP-520T	20 \pm 1.2	5.5	2.0 \pm 0.5		1.5
14DIP-525T	25 \pm 1.5	6.5	2.5 \pm 0.6		1.5
14DIP-530T	30 \pm 1.5	8.0	3.0 \pm 0.6		1.5
14DIP-535T	35 \pm 2.0	9.0	3.5 \pm 0.8		2.0
14DIP-540T	40 \pm 2.0	11.0	4.0 \pm 0.8		2.0
14DIP-545T	45 \pm 2.5	12.0	4.5 \pm 1.0		2.0
14DIP-550T	50 \pm 2.5	13.0	5.0 \pm 1.0		2.5
14DIP-560T	60 \pm 3.0	15.0	6.0 \pm 1.2		2.5
14DIP-570T	70 \pm 3.5	18.5	7.0 \pm 1.4		2.5
14DIP-580T	80 \pm 4.0	21.0	8.0 \pm 1.6		3.0
14DIP-590T	90 \pm 4.5	22.0	9.0 \pm 1.8		3.0
14DIP-5100T	100 \pm 5.0	22.0	10.0 \pm 2.0	3.0	
14DIP-5150T	150 \pm 6.5	32.0	15.0 \pm 2.5	3.0	
14DIP-5200T	200 \pm 10	40.0	20.0 \pm 3.0	3.0	
14DIP-1005T	5 \pm 0.5	2.0	0.5 \pm 0.2	100	1.5
14DIP-1010T	10 \pm 0.7	3.5	1.0 \pm 0.5		1.5
14DIP-1015T	15 \pm 1.0	5.0	1.5 \pm 0.5		1.5
14DIP-1020T	20 \pm 1.2	5.0	2.0 \pm 0.5		1.5
14DIP-1025T	25 \pm 1.5	7.0	2.5 \pm 0.6		2.0
14DIP-1030T	30 \pm 1.5	8.0	3.0 \pm 0.6		2.0
14DIP-1040T	40 \pm 2.0	11.0	4.0 \pm 0.8		2.5
14DIP-1050T	50 \pm 2.5	12.5	5.0 \pm 1.0		2.5
14DIP-1060T	60 \pm 3.0	12.5	6.0 \pm 1.2		2.5
14DIP-1070T	70 \pm 3.5	18.5	7.0 \pm 1.4		2.5
14DIP-1080T	80 \pm 4.0	20.0	8.0 \pm 1.6		2.5
14DIP-1090T	90 \pm 4.5	22.0	9.0 \pm 1.8		2.5
14DIP-10100T	100 \pm 5.0	24.0	10.0 \pm 2.0		2.5
14DIP-10150T	150 \pm 6.5	32.0	15.0 \pm 2.5		2.5
14DIP-2010T	10 \pm 0.7	3.5	1 \pm 0.5	200	2.0
14DIP-2020T	20 \pm 1.2	6.0	2 \pm 0.6		2.0
14DIP-2025T	25 \pm 1.5	7.0	2.5 \pm 0.6		2.0
14DIP-2030T	30 \pm 1.5	8.0	3 \pm 0.6		2.0
14DIP-2040T	40 \pm 2.0	10.0	4 \pm 0.8		2.5
14DIP-2050T	50 \pm 2.5	12.0	5 \pm 1.0		2.5
14DIP-2060T	60 \pm 3.0	14.0	6 \pm 1.2		2.5
14DIP-2080T	80 \pm 4.0	19.0	8 \pm 1.6		3.0
14DIP-20100T	100 \pm 5.0	24.0	10 \pm 2.0		3.0

Special delay lines can be readily manufactured with longer or specific delays, impedances, rise times and package configurations for specific applications.