

SIGNETICS DIGITAL 54/74 TTL SERIES - S54S40 • S54S140 • N74S40 • N74S140

SWITCHING CHARACTERISTICS, $V_{CC} = 5V$, $T_A = 25^\circ C$, $N = 30$

PARAMETER		TEST CONDITIONS		MIN	TYP	MAX	UNIT
t _{PLH}	Propagation delay time, low-to-high-level output	C _L = 50pF,	R _L = 93Ω	2	4	6.5	ns
		C _L = 150pF,	R _L = 93Ω		6		ns
t _{PHL}	Propagation delay time, high-to-low-level output	C _L = 50pF,	R _L = 93Ω	2	4	6.5	ns
		C _L = 150pF,	R _L = 93Ω		6		ns

* For conditions shown as MIN or MAX, use the appropriate value specified under recommended operating conditions for the applicable series on the second page of this section.

** All typical values are at $V_{CC} = 5V$, $T_A = 25^\circ C$.

† Not more than one output should be shorted at a time, and duration of the short-circuit test should not exceed 100 milliseconds.