

SWITCHING CHARACTERISTICS V_{CC} = 5V, T_A = 25°C - PAGE 212

TEST CONDITIONS			54/74LS			54/74S			
			C _L = 15pF R _L = 2kΩ			C _L = 15pF R _L = 280Ω			
PARAMETER	FROM INPUT	TO OUTPUT	MIN	TYP	MAX	MIN	TYP	MAX	UNIT
t _{PLH} Low-to-high	A,B,C (4 levels)	Y		29	45		12	18	ns
t _{PHL} High-to-low				28	45		13	19.5	
t _{PLH} Low-to-high	A,B,C (3 levels)	W		20	33		10	15	
t _{PHL} High-to-low				21	33		9	13.5	
t _{PLH} Low-to-high	Any D	Y		17	28		8	12	
t _{PHL} High-to-low				18	28		8	12	
t _{PLH} Low-to-high	Any D	W		10	15		4.5	7	
t _{PHL} High-to-low				9	15		4.5	7	
Output enable time									
t _{ZH} To high level	Strobe	Y		17	27		13	19.5	
t _{ZL} To low level				26	40		14	21	
t _{ZH} To high level	Strobe	W		17	27		13	19.5	
t _{ZL} To low level				24	40		14	21	
Output disable time					C _L = 5pF R _L = 2kΩ				
t _{HZ} From high level	Strobe	Y		30	45		5.5	8.5	
t _{ZL} From low level				15	25		9	14	
t _{HZ} From high level	Strobe	W		30	45		5.5	8.5	
t _{LZ} From low level				15	25		9	14	

LOGIC