

over recommended operating free-air temperature range (unless otherwise noted).

See Table $= 5 \text{ V}, T_A = 25^\circ\text{C}.$

Note 2: Not more than one output should be shorted at a time, and for DM54H/DM74H, DM54LS/DM74LS and DM54S/DM74S, duration of short circuit should not exceed one second.

Switching Characteristics at $V_{CC} = 5V$, $T_A = 25^\circ C$

Device	Conditions	t _{PLH} (ns)			t _{PHL} (ns)		
		Min	Typ	Max	Min	Typ	Max
08, 11	$C_L = 15\text{ pF}$, $R_L = 400\ \Omega$		17.5	27		12	19
H08, H11 H21	$C_L = 25\text{ pF}$, $R_L = 280\ \Omega$		7.6	12		8.8	12
L08 L11	$C_L = 50\text{ pF}$ $R_L = 4\text{ k}\Omega$		45 40	90 80		45 45	90 90
LS08, LS11 LS21	$C_L = 15\text{ pF}$, $R_L = 2\text{ k}\Omega$	4	8	13	3	7.5	11
	$C_L = 50\text{ pF}$, $R_L = 2\text{ k}\Omega$	6	11	18	5	11	18
S08, S11	$C_L = 15\text{ pF}$, $R_L = 280\ \Omega$	2.5	4.5	7	2.5	5	7.5
	$C_L = 50\text{ pF}$, $R_L = 280\ \Omega$	3	6	9	3	7.5	11

Supply Currents

Device	I _{CC} H (mA) Total With Outputs High		I _{CC} L (mA) Total With Outputs Low	
	Typ	Max	Typ	Max
08 11	11 8	21 15	20 14	33 22
H08 H11 H21	28 18 12	40 30 20	42 30 20	64 48 32
L08 L11	1.1 1.0	2.1 1.5	2.0 1.6	3.3 2.2
LS08 LS11 LS21	2.4 1.8 1.2	4.8 3.6 2.4	4.4 3.3 2.2	8.8 6.6 4.4
S08 S11	18 13.5	32 24	32 24	57 42