



Switching Characteristics Over the Operating Range^[12]

Parameter	Description	FCT374T/FCT574T				FCT374AT/FCT574AT				Unit	Fig. No. ^[14]
		Military		Commercial		Military		Commercial			
		Min. ^[13]	Max.	Min. ^[13]	Max.	Min. ^[13]	Max.	Min. ^[13]	Max.		
t _{PLH} t _{PHL}	Propagation Delay Clock to Output	2.0	11.0	2.0	10.0	2.0	7.2	2.0	6.5	ns	1, 5
t _{PZH} t _{PZL}	Output Enable Time	1.5	14.0	1.5	12.5	1.5	7.5	1.5	6.5	ns	1, 7, 8
t _{PHZ} t _{PLZ}	Output Disable Time	1.5	8.0	1.5	8.0	1.5	6.5	1.5	5.5	ns	1, 7, 8
t _S	Set-Up Time HIGH or LOW D to CP	2.0		2.0		2.0		2.0		ns	4
t _H	Hold Time HIGH or LOW D to CP	1.5		1.5		1.5		1.5		ns	4
t _w	Clock Pulse Width ^[15] HIGH or LOW	7.0		7.0		6.0		5.0		ns	5

Parameter	Description	FCT374CT/FCT574CT				FCT374DT/ FCT574DT		Unit	Fig. No. ^[14]
		Military		Commercial		Commercial			
		Min. ^[13]	Max.	Min. ^[13]	Max.	Min. ^[13]	Max.		
t _{PLH} t _{PHL}	Propagation Delay Clock to Output	2.0	6.2	2.0	5.2	2.0	4.2	ns	1, 5
t _{PZH} t _{PZL}	Output Enable Time	1.5	6.2	1.5	5.5	1.5	4.8	ns	1, 7, 8
t _{PHZ} t _{PLZ}	Output Disable Time	1.5	5.7	1.5	5.0	1.5	4.0	ns	1, 7, 8
t _S	Set-Up Time, HIGH or LOW D to CP	2.0		2.0		2.0		ns	4
t _H	Hold Time, HIGH or LOW D to CP	1.5		1.5		1.5		ns	4
t _w	Clock Pulse Width ^[15] HIGH or LOW	6.0		5.0		3.0		ns	5

Shaded areas contain preliminary information.

Notes:

12. AC Characteristics guaranteed with C_L = 50 pF as shown in Figure 1 of the "Parameter Measurement Information" in the General Information Section.
13. Minimum limits are guaranteed but not tested on Propagation Delays.
14. See "Parameter Measurement Information" in the General Information Section.
15. With one data channel toggling, t_w(L) = t_w(H) = 4.0 ns and t_r = t_f = 1.0 ns.