



SYMBOL	PARAMETER	54/74	54/74LS	UNITS	CONDITIONS
		Min Max	Min Max		
lcc	Power Supply Current	40	8.0	mA	V _{CC} = Max, V _{CP} = 0 V

AC CHARACTERISTICS: V_{CC} = +5.0 V, T_A = +25°C (See Section 3 for waveforms and load configurations)

SYMBOL	PARAMETER	54/74 C _L = 15 pF R _L = 400 Ω	54/74LS C _L = 15 pF	UNITS	CONDITIONS
		Min Max	Min Max		
fmax	Maximum Clock Frequency	15	30	MHz	Figs. 3-1, 3-9
tPLH tPHL	Propagation Delay CPn to Qn or Qn	25 40	20 30	ns	Figs. 3-1, 3-9
tPLH tPHL	Propagation Delay CDn to Qn or Qn	25 40	20 30	ns	Figs. 3-1, 3-10

SYMBOL	PARAMETER	54/74		54/74LS		UNITS	CONDITIONS
		Min	Мах	Min	Max	UNITO	
ts (H)	Setup Time HIGH J_n or K_n to \overline{CP}_n	0		20		ns	Fig. 3-18 ('107) Fig. 3-7 ('LS107)
t _h (H)	Hold Time HIGH J_n or K_n to \overline{CP}_n	0		0		ns	
t _s (L)	Setup Time LOW J_n or K_n to \overline{CP}_n	0		20		ns	
t _h (L)	Hold Time LOW Jn or Kn to CPn	0		0		ns	
tw (H) tw (L)	CPn Pulse Width	20 47		13.5 20		ns	Fig. 3-9
tw (L)	CDn Pulse Width LOW	25		25		ns	Fig. 3-10