



■ AC CHARACTERISTICS ( $C_L = 50\text{pF}$ , Input  $t_r = t_f = 6\text{ns}$ )

Item	Symbol	$V_{CC}(\text{V})$	Test Conditions	$T_a = 25^\circ\text{C}$			$T_a = -40 \sim +85^\circ\text{C}$		Unit
				min	typ	max	min	max	
Propagation Delay Time	$t_{PHL}$	2.0	Data to Output	—	—	185	—	230	ns
		4.5		—	16	37	—	46	
		6.0		—	—	31	—	39	
	$t_{PLH}$	2.0	Latch Select to Output	—	—	215	—	270	
		4.5		—	20	43	—	54	
		6.0		—	—	37	—	46	
	$t_{PLH}$	2.0	Enable to Output	—	—	200	—	250	
		4.5		—	17	40	—	50	
		6.0		—	—	34	—	43	
	$t_{PHL}$	2.0	Clear to Output	—	—	155	—	195	ns
4.5		—		15	31	—	39		
6.0		—		—	26	—	33		
Pulse Width	$t_w$	2.0	Clear, Enable	80	—	—	100	—	ns
		4.5		16	6	—	20	—	
		6.0		14	—	—	17	—	
Setup Time	$t_{su}$	2.0	Latch Select or Data to Enable	100	—	—	125	—	ns
		4.5		20	5	—	25	—	
		6.0		17	—	—	21	—	
Hold Time	$t_h$	2.0	Latch Select or Data to Enable	5	—	—	5	—	ns
		4.5		5	-1	—	5	—	
		6.0		5	—	—	5	—	
Output Rise/Fall Time	$t_{TLH}$ $t_{TNL}$	2.0		—	—	75	—	95	ns
		4.5		—	5	15	—	19	
		6.0		—	—	13	—	16	
Input Capacitance	$C_{ix}$	—		—	5	10	—	10	pF