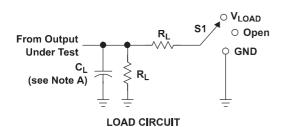
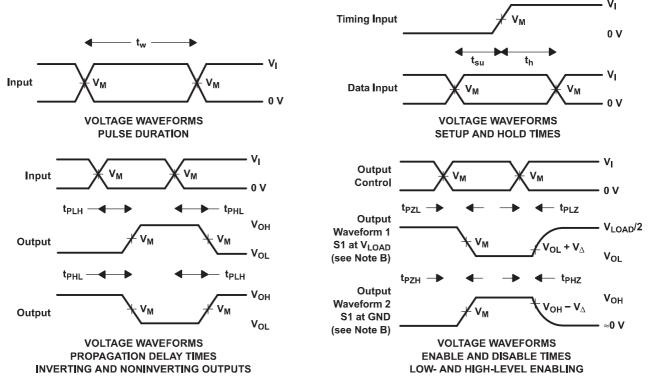


## **Parameter Measurement Information (continued)**



TEST	S1
t <sub>PLH</sub> /t <sub>PHL</sub>	Open
t <sub>PLZ</sub> /t <sub>PZL</sub> t <sub>PHZ</sub> /t <sub>PZH</sub>	V <sub>LOAD</sub> GND
PHZ/PZH	OND

	V <sub>CC</sub>	INPUTS		.,	.,			.,
		VI	t <sub>r</sub> /t <sub>f</sub>	V <sub>M</sub>	V <sub>LOAD</sub>	CL	R <sub>L</sub>	$oldsymbol{V}_{\Delta}$
	$\textbf{1.8 V} \pm \textbf{0.15 V}$	V <sub>CC</sub>	≤ <b>2</b> ns	V <sub>CC</sub> /2	2×V <sub>CC</sub>	30 pF	<b>1 k</b> Ω	0.15 V
	2.5 V $\pm$ 0.2 V	V <sub>CC</sub>	≤ <b>2</b> ns	V <sub>CC</sub> /2	2×V <sub>CC</sub>	30 pF	500 Ω	0.15 V
	3.3 V $\pm$ 0.3 V	3 V	≤2.5 ns	1.5 V	6 V	50 pF	500 Ω	0.3 V
	5 V $\pm$ 0.5 V	Vcc	≤2.5 ns	V <sub>CC</sub> /2	2×V <sub>CC</sub>	50 pF	500 Ω	0.3 V



NOTES: A.  $C_L$  includes probe and jig capacitance.

- B. Waveform 1 is for an output with internal conditions such that the output is low, except when disabled by the output control. Waveform 2 is for an output with internal conditions such that the output is high, except when disabled by the output control.
- C. All input pulses are supplied by generators having the following characteristics: PRR  $\leq$  10 MHz,  $Z_O = 50~\Omega$
- D. The outputs are measured one at a time, with one transition per measurement.
- E.  $t_{PLZ}$  and  $t_{PHZ}$  are the same as  $t_{dis}$ .
- F. t<sub>PZL</sub> and t<sub>PZH</sub> are the same as t<sub>en</sub>.
- G. t<sub>PLH</sub> and t<sub>PHL</sub> are the same as t<sub>pd</sub>.
- H. All parameters and waveforms are not applicable to all devices.

Figure 3. Load Circuit and Voltage Waveforms

Submit Documentation Feedback

Copyright © 2004–2015, Texas Instruments Incorporated