ABSOLUTE MAXIMUM RATINGS

(VCC = 5V ±5%, T_A = TMIN to TMAX, unless otherwise noted.) (Notes 1, 2)

PARAMETER	SYMBOL	CONDITIONS	MIN	TYP	MAX	UNITS
No-Load Supply Current (Note 3)	I_{CC}	DE = V_{CC}		500	900	
		RE = 0V or V_{CC}		300	500	µA
		DE = 0V				
Driver Short-Circuit Current	I_{OSD1}	-7V ≤ V_O ≤ 12V (Note 4)	35		250	mA
VO = High Driver Short-Circuit Current	I_{OSD2}	-7V ≤ V_O ≤12V (Note 4)	35		250	mA
VO = Low						

TEST CIRCUITS

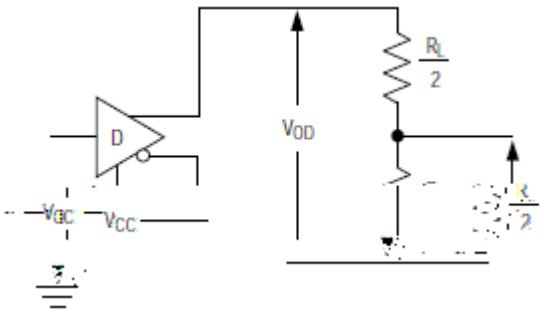

Figure 1. Driver V_{OD} and V_{OC}

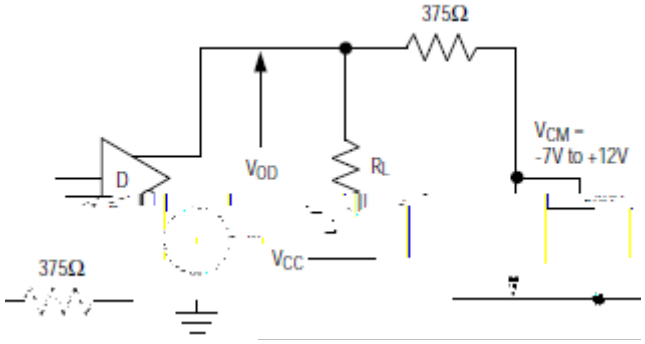

Figure 2. Driver V_{OD} with Varying Common-Mode Voltage

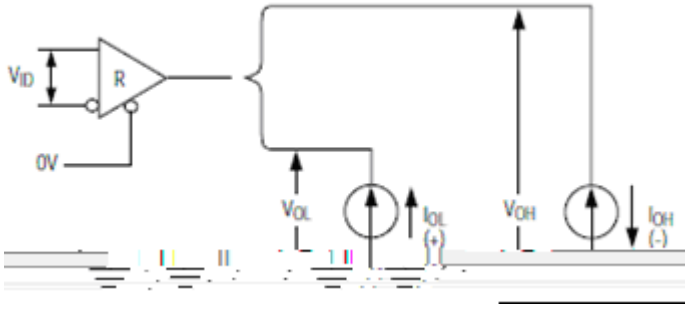

Figure 3. Receiver V_{OH} and V_{OL}

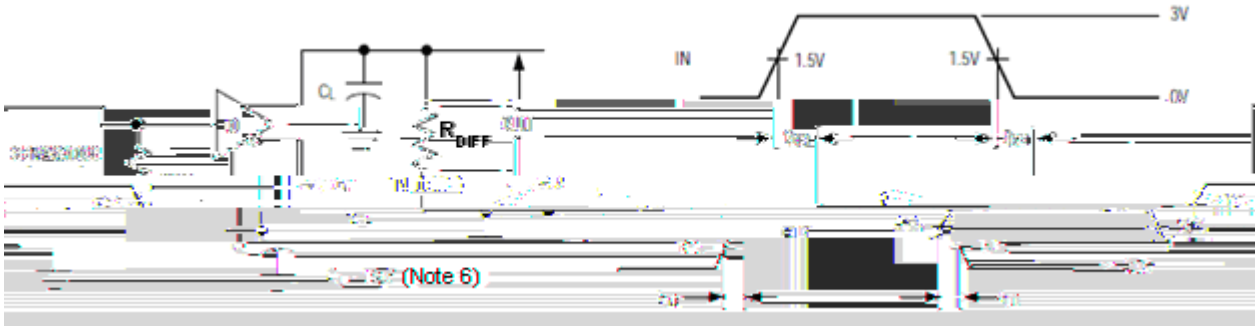

Figure 4. Driver Differential Output Delay and Transition Times

TEST CIRCUITS (continue)

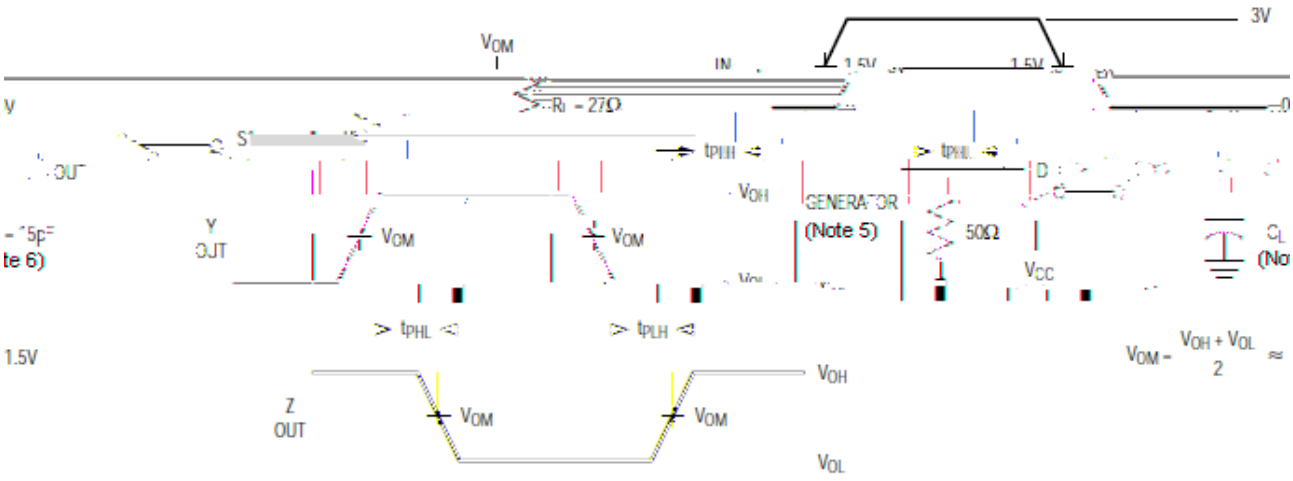

Figure 5. Driver Propagation Times

Figure 6. Driver Enable and Disable Times (t_{PZH}, t_{PSH}, t_{PHZ})

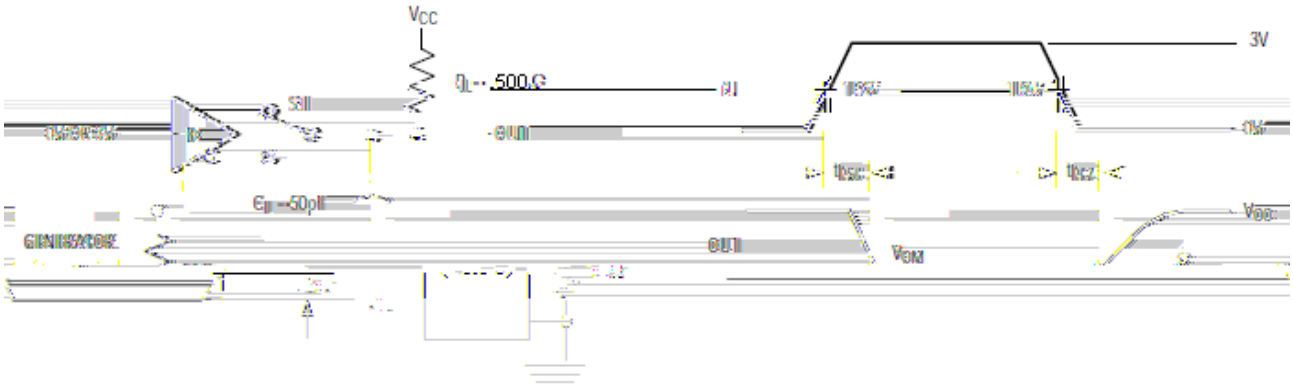

Figure 7. Driver Enable and Disable Times (t_{PZL}, t_{PSL}, t_{PLZ})

TEST CIRCUITS (continue)

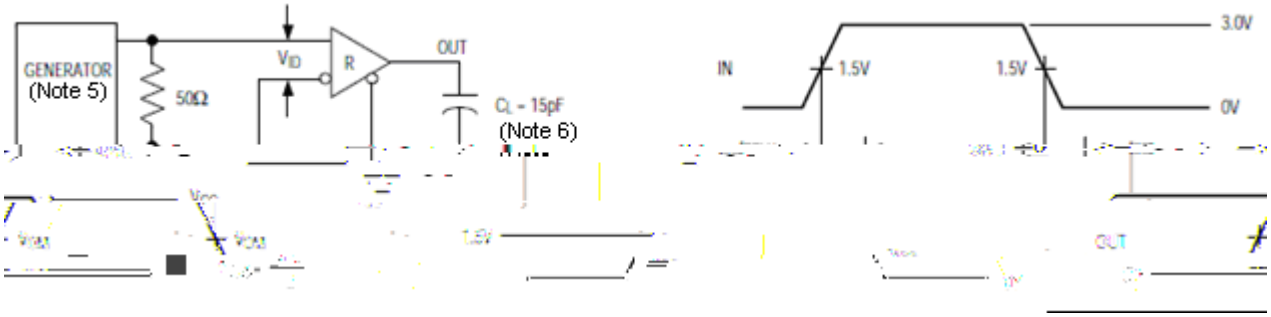

Figure 8. Receiver Propagation Delay

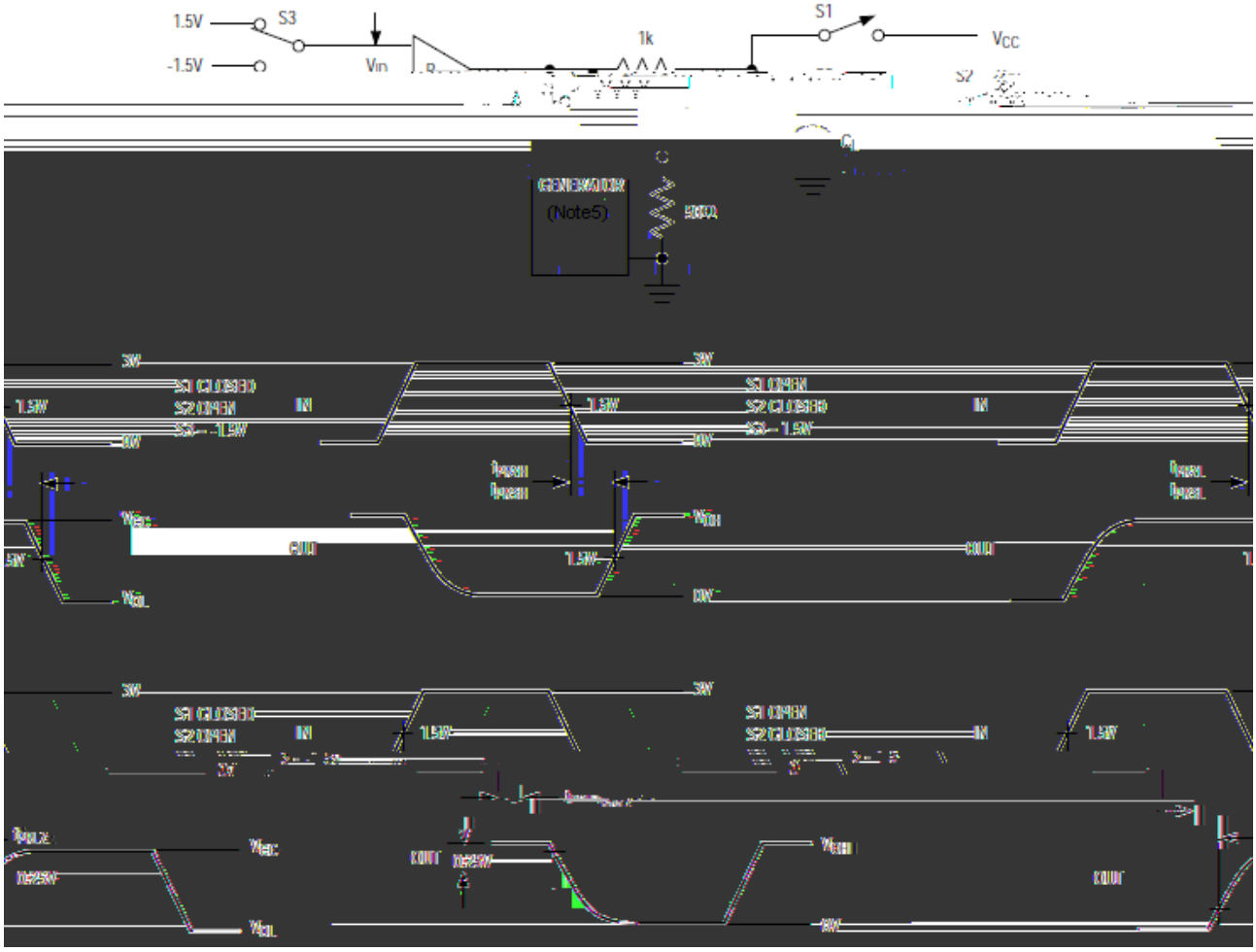

Figure 9. Receiver Enable and Disable Times

Note 5: The input pulse is supplied by a generator with the following characteristics: PRR = 250kHz, 50% duty cycle, tr 6.0ns, Z_O = 50Ω.
Note 6: C_L includes probe and stray capacitance.

Package Dimensions

N SUFFIX PLASTIC DIP