

# LM5101C Datasheet P8 Spec table

## 7.6 Switching Characteristics

Limits in standard type are for  $T_J = 25^\circ\text{C}$  only; limits in boldface type apply over the junction temperature ( $T_J$ ) range of  $-40^\circ\text{C}$  to  $+125^\circ\text{C}$ . Minimum and Maximum limits are specified through test, design, or statistical correlation. Typical values represent the most likely parametric norm at  $T_J = 25^\circ\text{C}$ , and are provided for reference purposes only. Unless otherwise specified,  $V_{DD} = V_{HB} = 12\text{ V}$ ,  $V_{SS} = V_{HS} = 0\text{ V}$ , No Load on LO or HO <sup>(1)</sup>.

PARAMETER		TEST CONDITIONS	MIN	TYP	MAX	UNIT
$t_{LPHL}$	LO turnoff propagation delay LM5100A/B/C	LI Falling to LO Falling		20	45	ns
	LO turnoff propagation delay LM5101A/B/C		22	56		ns
$t_{LPLH}$	LO turnon propagation delay LM5100A/B/C	LI Rising to LO Rising	20	45		ns
	LO turnon propagation delay LM5101A/B/C		26	56		ns
$t_{HPLH}$	HO turnoff propagation delay LM5100A/B/C	HI Falling to HO Falling		20	45	ns
	HO turnoff propagation delay LM5101A/B/C		22	56		ns
$t_{HPLH}$	LO turnon propagation delay LM5100A/B/C	HI Rising to HO Rising		20	45	ns
	LO turnon propagation delay LM5101A/B/C		26	56		ns
$t_{MON}$	Delay matching: LO on and HO off LM5100A/B/C			1	10	ns
	Delay matching: LO on and HO off LM5101A/B/C			4	10	ns
	Delay matching: LO off and HO on		-	-	-	-

- We are currently designing. In determining the performance of the system

Please tell me how much this spec is.

Since there is no description, I know that I have not tested it.

Please let me know if you have the worst value or reference value.

Thank you.