

100



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MC100LVEL29DWG		38 Units / Tube
MC100LVEL29DWR2G		1000 Tape & Reel

($V_{CC} = 3.3\text{ V}$; $V_{EE} = 0.0\text{ V}$ (Note 1))

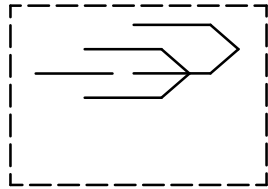
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Supply Current		35	50		35	50		35	50	mA
High Voltage (Note 2)	2215	2295	2420	2275	2345	2420	2275	2345	2420	mV

($V_{CC} = 3.3\text{ V}$; $V_{EE} = 0.0\text{ V}$ or $V_{CC} = 0.0\text{ V}$; $V_{EE} = 3.3\text{ V}$ (Note 1))

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f_{max}	Maximum Toggle Frequency	1.1			1.1			1.1			GHz
t_{PLH} t_{PHL}	Propagation Delay to Output CLK S, R	480 480		680 700	500 500	580	700 720	520 520		720 740	ps
t_S t_H	Setup Time Hold Time	0 100			0 100			0 100			ps
t_{RR}	Set/Reset Recovery	100			100			100			ps
t_{PW}	Minimum Pulse Width CLK, Set, Reset	400			400			400			ps
t_{JITTER}	Cycle-to-Cycle Jitter		TBD			TBD			TBD		ps
V_{PP}	Input Swing (Note 2)	150		1000	150		1000	150		1000	mV
t_r t_f	Output Rise/Fall Times Q (20% 80%)	280		550	280		550	280		550	ps

NOTE: Device will meet the specifications after thermal equilibrium has been established when mounted in a test socket or printed circuit board with maintained transverse airflow greater than 500 lfm. Electrical parameters are guaranteed only over the declared operating temperature range. Functional operation of the device exceeding these conditions is not implied. Device specification limit values are applied individually under normal operating conditions and not valid simultaneously.

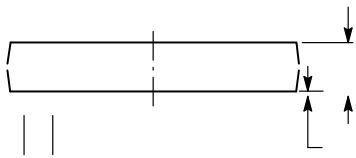
1. V_{EE} can vary 0.3 V.
2. $V_{PP}(\min)$ is the minimum input swing for which AC parameters guaranteed.



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