

MC100LVEL32

Table 3. LVPECL DC CHARACTERISTICS ($V_{CC} = 3.3\text{ V}$; $V_{EE} = 0.0\text{ V}$ (Note 1))

Symbol	Characteristic	-40°C			25°C			85°C			Unit
		Min	Typ	Max	Min	Typ	Max	Min	Typ	Max	
I_{EE}	Power Supply Current		29	35		29	35		31	36	mA
V_{OH}	Output HIGH Voltage (Note 2)	2215	2295	2420	2275	2345	2420	2275	2345	2420	mV
V_{OL}	Output LOW Voltage (Note 2)	1470	1605	1745	1490	1595	1680	1490	1595	1680	mV
V_{IH}	Input HIGH Voltage (Single-Ended)	2135		2420	2135		2420	2135		2420	mV
V_{IL}	Input LOW Voltage (Single-Ended)	1490		1825	1490		1825	1490		1825	mV

V14704.438mn75918 0 0 8 414.0825

MC100LVEL32

Table 5. AC CHARACTERISTICS ($V_{CC} = 3.3\text{ V}$; $V_{EE} = 0.0\text{ V}$ or $V_{CC} = 0.0\text{ V}$; $V_{EE} = -3.3\text{ V}$ (Note 1))

Symbol	Characteristic	-40°C			25°C			85°C			Unit
		Min	Typ	Max	Min	Typ	Max	Min	Typ	Max	
f_{\max}	Maximum Toggle Frequency	2.2	2.5		2.4	2.6		2.6	2.8		GHz
t_{PLH} t_{PHL}	Propagation Delay CLK to Q (Differential) CLK to Q (Single-Ended) Reset to Q	350 300 440	500 500 555	530 580 640	370 320 450	510 5183.238 674.929	29.87402.81.1654	Tm(2.6)TET43P.6			

MC100LEVEL32

-X-

- - - -

⊕ 0. (0.010) ○ ○

-Y-

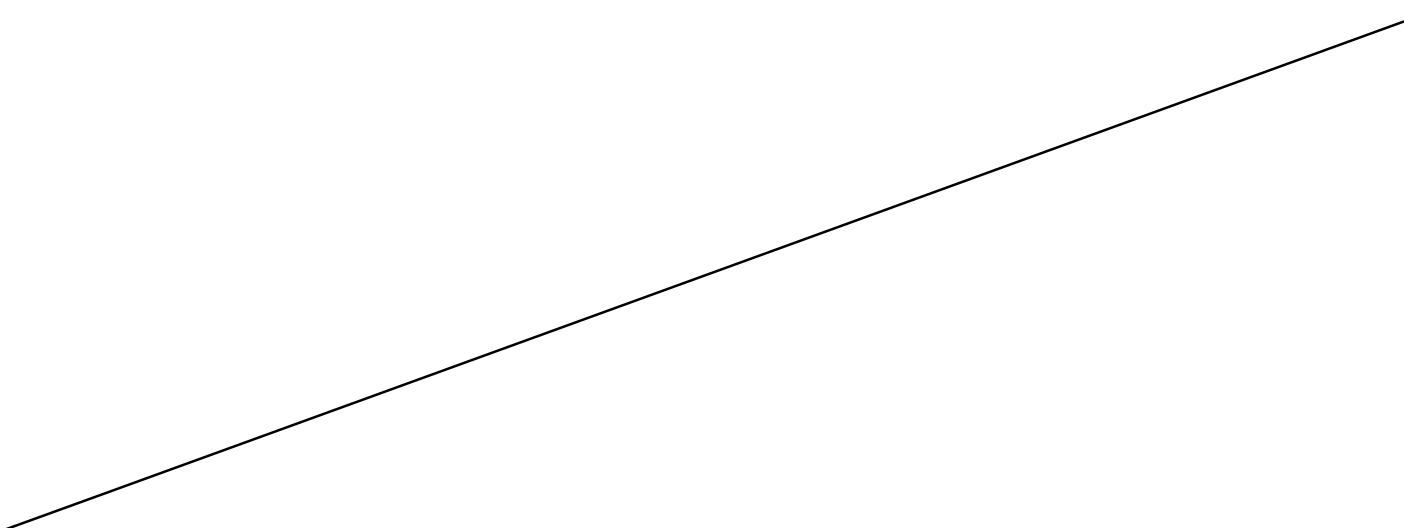
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G

-Z-

C	1.35	1.75	0.053	0.069
D	0.33	0.51	0.013	0.020
G	1.27 BSC		0.050 BSC	
H	0.10	0.25	0.004	0.010
J	0.19	0.25	0.007	0.010
K	0.40	1.27	0.016	0.050
M	0	8	0	8
N	0.25	0.50	0.010	0.020
S	5.80	6.20	0.228	0.244

0. (0.010) ○ 101100 1.000 0.1 1011. 100 0001.1 1001 1 0()01.1 100111.1 10000 5.80 6.20 0.228 0.244 1.0 0 1000 0.)



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