

Databook Build Date: Thursday Feb 17 15:07 2011

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Conditions for characterization library **NangateOpenCellLibrary**, corner **NangateOpenCellLibrary_typical_typical**: Vdd= 1.10V, Tj= 25.0 deg. C .

Additional corners: NangateOpenCellLibrary [NangateOpenCellLibrary_slow_slow], NangateOpenCellLibrary [NangateOpenCellLibrary_fast_fast], NangateOpenCellLibrary [NangateOpenCellLibrary_worst_low_worst_low], NangateOpenCellLibrary [NangateOpenCellLibrary_low_temp_low_temp].

Output transition is defined from 30% to 70% (rising) and from 70% to 30% (falling) output voltage.

Propagation delay is measured from 50% (input rise) or 50% (input fall) to 50% (output rise) or 50% (output fall).

Strength	1
Cell Area	0.532 μm^2
Equation	$ZN = \neg A$
Type	Combinational
Input	A
Output	ZN
PG Pins	VDD (primary_power), VSS (primary_ground)



State Table	
A	ZN
L	H
H	L

Propagation Delay [ns]					
Input Transition [ns]		0.0012		0.1985	
Load Capacitance [fF]		0.3656	60.73	0.3656	60.73
A to ZN	fall	0.00	0.08	-0.01	0.15
	rise	0.01	0.15	0.04	0.26

Output Transition [ns]					
Input Transition [ns]		0.0012		0.1985	
Load Capacitance [fF]		0.3656	60.73	0.3656	60.73
A to ZN	fall	0.00	0.07	0.03	0.10
	rise	0.00	0.14	0.03	0.15

Capacitance [fF]	
A	1.7002

Leakage [nW]
14.35

Dynamic Power Consumption [uW/GHz]					
Input Transition [ns]		0.0012		0.1985	
Load Capacitance [fF]		0.3656	60.73	0.3656	60.73
A to ZN	fall	-0.00	-0.00	3.06	0.64
	rise	1.85	1.80	5.65	3.15