



Databook Build Date: Thursday Feb 17 15:07 2011

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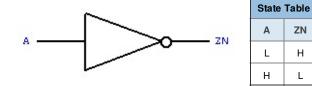
ZN

Н L

Conditions for characterization library NangateOpenCellLibrary, comer 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 um ² |
| Equation | ZN = "!A" |
| Туре | Combinational |
| Input | A |
| Output | ZN |
| PG Pins | VDD (primary_power), VSS (primary_ground) |



| 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] | | | | |
|------------------|--------|--|--|--|
| Α | 1.7002 | | | |

| | Leakage [nW] |
|---|--------------|
| l | 14.35 |

| Dynamic Power Consumption [uW/GHz] | | | | | | |
|------------------------------------|----------|--------|-------|--------|-------|--|
| Input Transit | ion [ns] | 0.0 | 012 | 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 | |