

# OR2X2(data type: typ)

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## Function

$Y=(A|B)$

## Static Power:

When	Static Power [nW]
-	0.106

## Port:

Name	Direction
A	INPUT
B	INPUT
Y	OUTPUT

Name	Pin Capacitance [pF]	
	Rise	Fall
A	0.0277	0.0276
B	0.0268	0.027

## Output Driving Strength

Name	Rise		Fall	
	Strength (sec/F)	Limit (pF)	Strength (sec/F)	Limit (pF)
Y	861	0.925	982	0.925

## Link To Path

PATH	WHEN
<a href="#">(01B=&gt;01Y)</a>	-
<a href="#">(10B=&gt;10Y)</a>	-
<a href="#">(01A=&gt;01Y)</a>	-
<a href="#">(10A=&gt;10Y)</a>	-

(01B=>01Y)

DELAY [ns]

cl[pF]	0.05	0.1	0.2	0.6	1.2
ts[ns]					
0.06	0.261	0.309	0.396	0.74	1.26
0.18	0.289	0.337	0.424	0.768	1.28
0.42	0.359	0.407	0.493	0.836	1.35
0.6	0.409	0.456	0.542	0.883	1.4
1.2	0.553	0.601	0.688	1.03	1.54

POWER [pJ]

cl[pF]	0.05	0.1	0.2	0.6	1.2
ts[ns]					
0.06	0.484	0.453	0.432	0.414	0.408
0.18	0.524	0.49	0.468	0.451	0.446
0.42	0.798	0.749	0.705	0.665	0.655
0.6	1.04	0.98	0.922	0.864	0.847
1.2	1.91	1.81	1.71	1.59	1.55

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(10B=>10Y)

DELAY [ns]

cl[pF]	0.05	0.1	0.2	0.6	1.2
ts[ns]					
0.06	0.2	0.256	0.357	0.752	1.34
0.18	0.214	0.268	0.369	0.763	1.35
0.42	0.227	0.284	0.386	0.779	1.37
0.6	0.232	0.29	0.393	0.785	1.37
1.2	0.227	0.289	0.396	0.796	1.38

POWER [pJ]

cl[pF]	0.05	0.1	0.2	0.6	1.2
ts[ns]					
0.06	1.53	1.55	1.55	1.56	1.56
0.18	1.61	1.6	1.6	1.6	1.6
0.42	1.88	1.86	1.84	1.82	1.82
0.6	2.14	2.09	2.06	2.03	2.02
1.2	3.04	2.94	2.85	2.77	2.74

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(01A=>01Y)

DELAY [ns]

cl[pF]	0.05	0.1	0.2	0.6	1.2
ts[ns]					
0.06	0.216	0.261	0.349	0.694	1.21
0.18	0.241	0.288	0.375	0.72	1.24
0.42	0.299	0.344	0.43	0.775	1.29
0.6	0.334	0.38	0.468	0.81	1.33
1.2	0.434	0.484	0.572	0.913	1.43

POWER [pJ]

cl[pF]	0.05	0.1	0.2	0.6	1.2
ts[ns]					
0.06	0.425	0.413	0.418	0.414	0.415
0.18	0.483	0.466	0.466	0.465	0.464
0.42	0.743	0.701	0.673	0.66	0.654
0.6	0.958	0.912	0.873	0.84	0.83
1.2	1.76	1.67	1.59	1.5	1.47

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(10A=>10Y)

DELAY [ns]

cl[pF]	0.05	0.1	0.2	0.6	1.2
ts[ns]					
0.06	0.192	0.246	0.348	0.742	1.33
0.18	0.218	0.272	0.372	0.764	1.35
0.42	0.25	0.306	0.409	0.802	1.39
0.6	0.272	0.327	0.429	0.822	1.41
1.2	0.313	0.37	0.473	0.87	1.46

POWER [pJ]

cl[pF]	0.05	0.1	0.2	0.6	1.2
ts[ns]					
0.06	1.17	1.17	1.17	1.18	1.18
0.18	1.26	1.26	1.25	1.24	1.24
0.42	1.53	1.51	1.49	1.47	1.47
0.6	1.75	1.73	1.69	1.66	1.65
1.2	2.59	2.5	2.42	2.34	2.31