

AND2X1(data type: typ)

Function

$Y=(A\&B)$

Static Power:

When	Static Power [nW]
-	0.117

Port:

Name	Direction
A	INPUT
B	INPUT
Y	OUTPUT

Name	Pin Capacitance [pF]	
	Rise	Fall
A	0.0216	0.0216
B	0.0214	0.0215

Output Driving Strength

Name	Rise		Fall	
	Strength (sec/F)	Limit (pF)	Strength (sec/F)	Limit (pF)
Y	1.8e+03	0.412	2.21e+03	0.412

Link To Path

PATH	WHEN
(01B=>01Y)	-
(10B=>10Y)	-
(01A=>01Y)	-
(10A=>10Y)	-

(01B=>01Y)

DELAY [ns]

cl[pF]	0.025	0.05	0.1	0.3	0.6
ts[ns]					
0.06	0.136	0.183	0.275	0.634	1.17
0.18	0.134	0.182	0.272	0.635	1.18
0.42	0.125	0.174	0.266	0.628	1.17
0.6	0.111	0.161	0.255	0.618	1.16
1.2	0.0422	0.0967	0.197	0.574	1.11

POWER [pJ]

cl[pF]	0.025	0.05	0.1	0.3	0.6
ts[ns]					
0.06	0.161	0.168	0.173	0.177	0.179
0.18	0.275	0.276	0.276	0.275	0.275
0.42	0.59	0.58	0.575	0.574	0.573
0.6	0.855	0.84	0.829	0.822	0.819
1.2	1.77	1.74	1.71	1.68	1.67

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(10B=>10Y)

DELAY [ns]

cl[pF]	0.025	0.05	0.1	0.3	0.6
ts[ns]					
0.06	0.185	0.243	0.356	0.798	1.46
0.18	0.225	0.284	0.395	0.837	1.5
0.42	0.306	0.362	0.474	0.916	1.58
0.6	0.361	0.418	0.528	0.969	1.63
1.2	0.525	0.585	0.698	1.14	1.8

POWER [pJ]

cl[pF]	0.025	0.05	0.1	0.3	0.6
ts[ns]					
0.06	0.849	0.858	0.864	0.877	0.872
0.18	0.959	0.976	0.977	0.981	0.983
0.42	1.3	1.29	1.28	1.28	1.29
0.6	1.55	1.54	1.54	1.53	1.53
1.2	2.46	2.43	2.41	2.39	2.38

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(01A=>01Y)

DELAY [ns]

cl[pF]	0.025	0.05	0.1	0.3	0.6
ts[ns]					
0.06	0.135	0.183	0.273	0.633	1.17
0.18	0.14	0.188	0.279	0.643	1.18
0.42	0.143	0.193	0.289	0.65	1.19
0.6	0.139	0.189	0.284	0.649	1.19
1.2	0.114	0.166	0.263	0.636	1.18

POWER [pJ]

cl[pF]	0.025	0.05	0.1	0.3	0.6
ts[ns]					
0.06	0.176	0.18	0.184	0.186	0.187
0.18	0.273	0.272	0.275	0.286	0.287
0.42	0.564	0.561	0.555	0.556	0.556
0.6	0.797	0.788	0.78	0.774	0.774
1.2	1.61	1.58	1.56	1.53	1.53

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(10A=>10Y)

DELAY [ns]

cl[pF]	0.025	0.05	0.1	0.3	0.6
ts[ns]					
0.06	0.167	0.224	0.336	0.78	1.44
0.18	0.202	0.259	0.37	0.815	1.48
0.42	0.266	0.323	0.434	0.878	1.54
0.6	0.308	0.366	0.479	0.92	1.58
1.2	0.43	0.492	0.608	1.05	1.71

POWER [pJ]

cl[pF]	0.025	0.05	0.1	0.3	0.6
ts[ns]					
0.06	0.682	0.689	0.695	0.695	0.697
0.18	0.779	0.783	0.786	0.789	0.791
0.42	1.07	1.07	1.07	1.07	1.07
0.6	1.3	1.3	1.29	1.29	1.29
1.2	2.11	2.09	2.07	2.05	2.05

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