DFFPOSX1(data type: typ)

Function
FLIPFLOP{
DATA=D
CLOCK=CLK
Q=DS0000
QN=P0002
}
Q=DS0000

Static Power:

When	Static Power [nW]
-	0.243

Port:

Pin	Direction	Signaltype	Polarity
CLK	INPUT	CLOCK	RISING_EDGE
D	INPUT	DATA	-
Q	OUTPUT	-	-

Name	Pin Capacitance [pF]		Internal Power [pJ]	
	Rise	Fall	Rise	Fall
CLK	0.0499	0.0499	0.184	1.54
D	0.0156	0.0157	0.557	1.27

Output Driving Strength

Name	Rise		Fall	
	Strength (sec/F)	Limit (pF)	Strength (sec/F)	Limit (pF)
Q	864	0.897	984	0.897

Link To Path

PATH	WHEN

Link To Constraint

Type	Path

(01CLK=>01Q)	-
(01CLK=>10Q)	-

SETUP	(01D=>01CLK)
SETUP	(10D=>01CLK)
HOLD	(01CLK=>01D)
HOLD	(01CLK=>10D)
PULSEWIDTH	(01CLK=>10CLK)
PULSEWIDTH	(10CLK=>01CLK)

(01CLK=>01Q)

DELAY [ns]

cl[pF] / ts[ns]	0.025	0.05	0.1	0.3	0.6
0.06	0.21	0.24	0.292	0.475	0.734
0.24	0.242	0.271	0.322	0.503	0.761
0.48	0.262	0.291	0.343	0.524	0.782
0.9	0.268	0.298	0.35	0.532	0.789
1.2	0.258	0.29	0.342	0.523	0.781
1.8	0.216	0.25	0.304	0.487	0.748

POWER [pJ]

cl[pF] / ts[ns]	0.025	0.05	0.1	0.3	0.6
0.06	0.738	0.683	0.629	0.588	0.568
0.24	1.14	1.07	1.01	0.954	0.926
0.48	1.81	1.73	1.65	1.55	1.51
0.9	3.06	2.97	2.85	2.68	2.6
1.2	3.94	3.84	3.71	3.52	3.41
1.8	5.67	5.55	5.41	5.19	5.06

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(01CLK=>10Q)

DELAY [ns]

cl[pF] / ts[ns]	0.025	0.05	0.1	0.3	0.6
0.06	0.303	0.338	0.397	0.603	0.898
0.24	0.323	0.356	0.416	0.622	0.917
0.48	0.347	0.38	0.439	0.644	0.939
0.9	0.369	0.402	0.46	0.666	0.961
1.2	0.378	0.411	0.47	0.675	0.97
1.8	0.386	0.419	0.478	0.685	0.981

POWER [pJ]

cl[pF] / ts[ns]	0.025	0.05	0.1	0.3	0.6
0.06	0.902	0.849	0.803	0.768	0.753
0.24	1.19	1.14	1.1	1.06	1.05
0.48	1.69	1.63	1.6	1.56	1.54
0.9	2.61	2.56	2.52	2.48	2.46
1.2	3.3	3.23	3.19	3.14	3.13
1.8	4.65	4.59	4.55	4.49	4.48

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Timing Constraints

SETUP(01D=>01CLK)

re [ns] / co [ns]	0.06	0.3	0.6
0.06	0.281	0.388	0.45
0.18	0.369	0.381	0.538
0.42	0.356	0.369	0.525
0.6	0.394	0.406	0.563
1.2	0.362	0.469	0.625

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SETUP(10D=>01CLK)

re [ns] / co [ns]	0.06	0.3	0.6
0.06	0.281	0.294	0.45
0.18	0.369	0.381	0.444
0.42	0.356	5.9	0.431
0.6	0.394	0.406	0.469
1.2	0.456	0.469	5.5

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HOLD(01CLK=>01D)

re [ns] / co [ns]	0.06	0.3	0.6
0.06	-0.0938	-0.106	-0.075
0.18	-0.0875	-0.1	-0.0688
0.42	-0.075	-0.0875	-0.15

0.6	-0.113	-0.125	-0.0938
1.2	-0.175	-0.0938	-0.0625

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HOLD(01CLK=>10D)

re [ns] / co [ns]	0.06	0.3	0.6
0.06	-0.0938	-0.2	-0.263
0.18	-0.0875	-0.194	-0.256
0.42	-0.169	-0.275	-0.338
0.6	-0.206	-0.312	-0.375
1.2	-0.269	-0.375	-0.438

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PULSEWIDTH(01CLK=>10CLK)

ts [ns]	0.06	0.24	0.48	0.9	1.2	1.8
width	0.204	0.228	0.245	0.251	0.246	0.221

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PULSEWIDTH(10CLK=>01CLK)

ts [ns]	0.06	0.24	0.48	0.9	1.2	1.8
width	0.179	0.22	0.264	0.322	0.356	0.415