

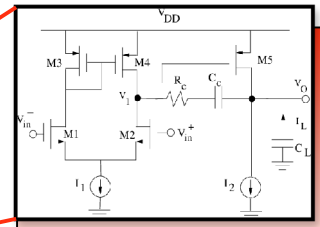
Parameters: Ci=8p, Li=1u, Cc=3p, W4=19u, W6=626u, Rc=500, W1=60u, W5=25u

51	Akhl_playground.OTA_opt1.1	Gain	70.17 dB	> 70	10
51	Akhl_playground.OTA_opt1.1	M1	2	range 1.3	5
51	Akhl_playground.OTA_opt1.1	M3	2	range 1.3	5
51	Akhl_playground.OTA_opt1.1	M6	2	range 1.3	5
51	Akhl_playground.OTA_opt1.1	M7	2	range 1.3	5
51	Akhl_playground.OTA_opt1.1	Phase_Margin	60.43 Deg	> 60	10
51	Akhl_playground.OTA_opt1.1	Slewrate	13.43 MV/us	> 10M	10
51	Akhl_playground.OTA_opt1.1	UGF	24.2 MHz	> 20M	10

Parameters: Ci=8p, Li=1u, Cc=3p, W4=19u, W6=626u, Rc=400, W1=60u, W5=25u

49	Akhl_playground.OTA_opt1.1	Gain	70.17 dB	> 70	10
49	Akhl_playground.OTA_opt1.1	M1	2	range 1.3	5
49	Akhl_playground.OTA_opt1.1	M3	2	range 1.3	5
49	Akhl_playground.OTA_opt1.1	M6	2	range 1.3	5
49	Akhl_playground.OTA_opt1.1	M7	2	range 1.3	5
49	Akhl_playground.OTA_opt1.1	Phase_Margin	58.38 Deg	> 60	10
49	Akhl_playground.OTA_opt1.1	Slewrate	13.43 MV/us	> 10M	10
49	Akhl_playground.OTA_opt1.1	UGF	23.98 MHz	> 20M	10

Parameters: Ci=8p, Li=1u, Cc=3p, W4=19u, W6=626u, Rc=350, W1=60u, W5=25u



(b) PMOSFET sizing:

#	W [μm]	L [μm]	S [nm/nm]
M1	2480.715	150.000	16.005
M2	2480.715	150.000	16.005
M3	969.828	150.000	6.466
M4	969.828	150.000	6.466
M5	1244.562	150.000	8.297
M6	14624.655	150.000	97.498
M7	9383.624	150.000	62.557
M8	1244.562	150.000	8.297
M9	161637.931	150.000	1877.586

(c) Drain currents:

I1	I2	I3	I4	I5	I6	I7	I8
15.0000 uA	15.0000 uA	15.0000 uA	15.0000 uA	30.0000 uA	226.195 uA	226.195 uA	30.0000 uA