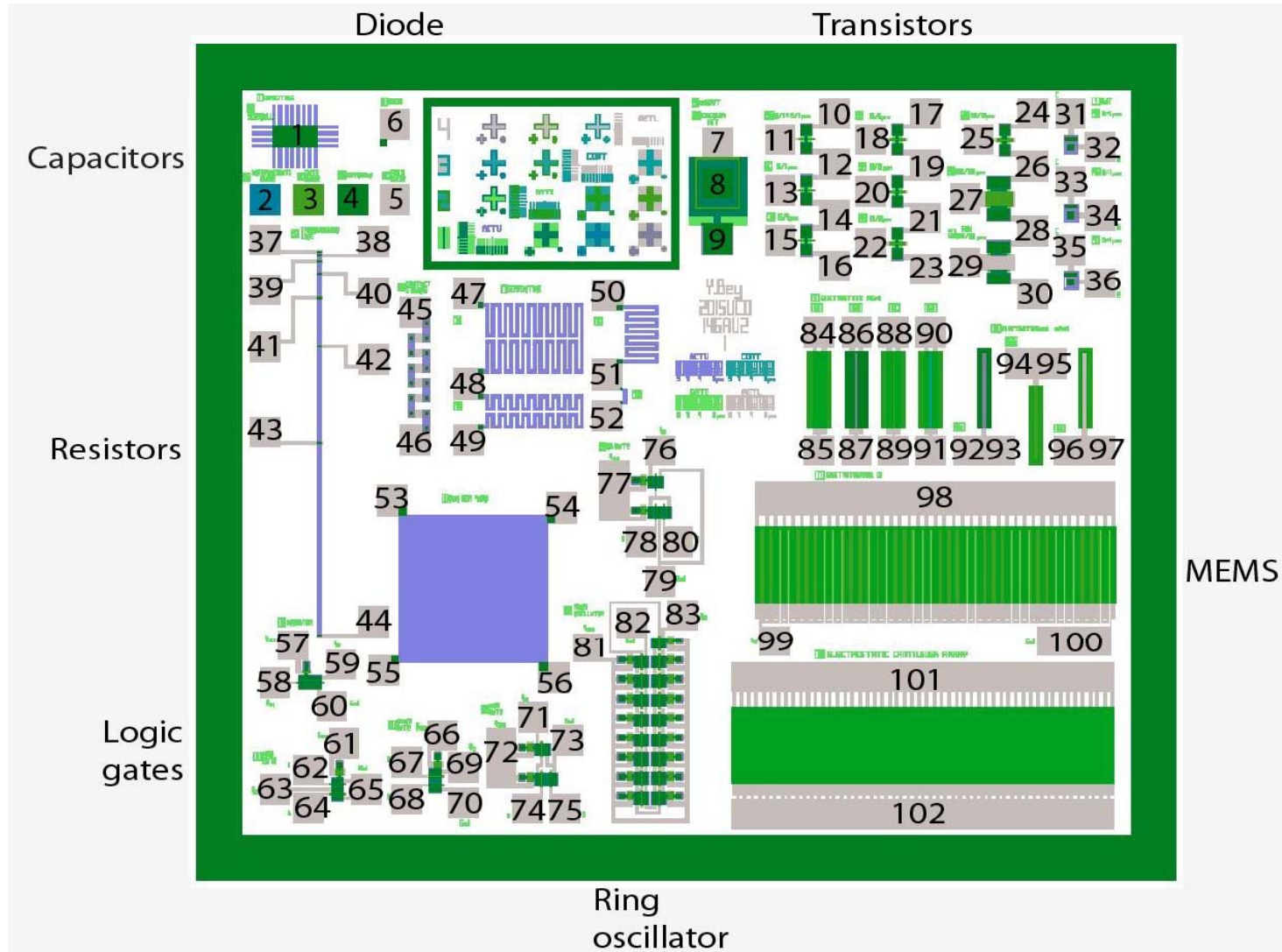


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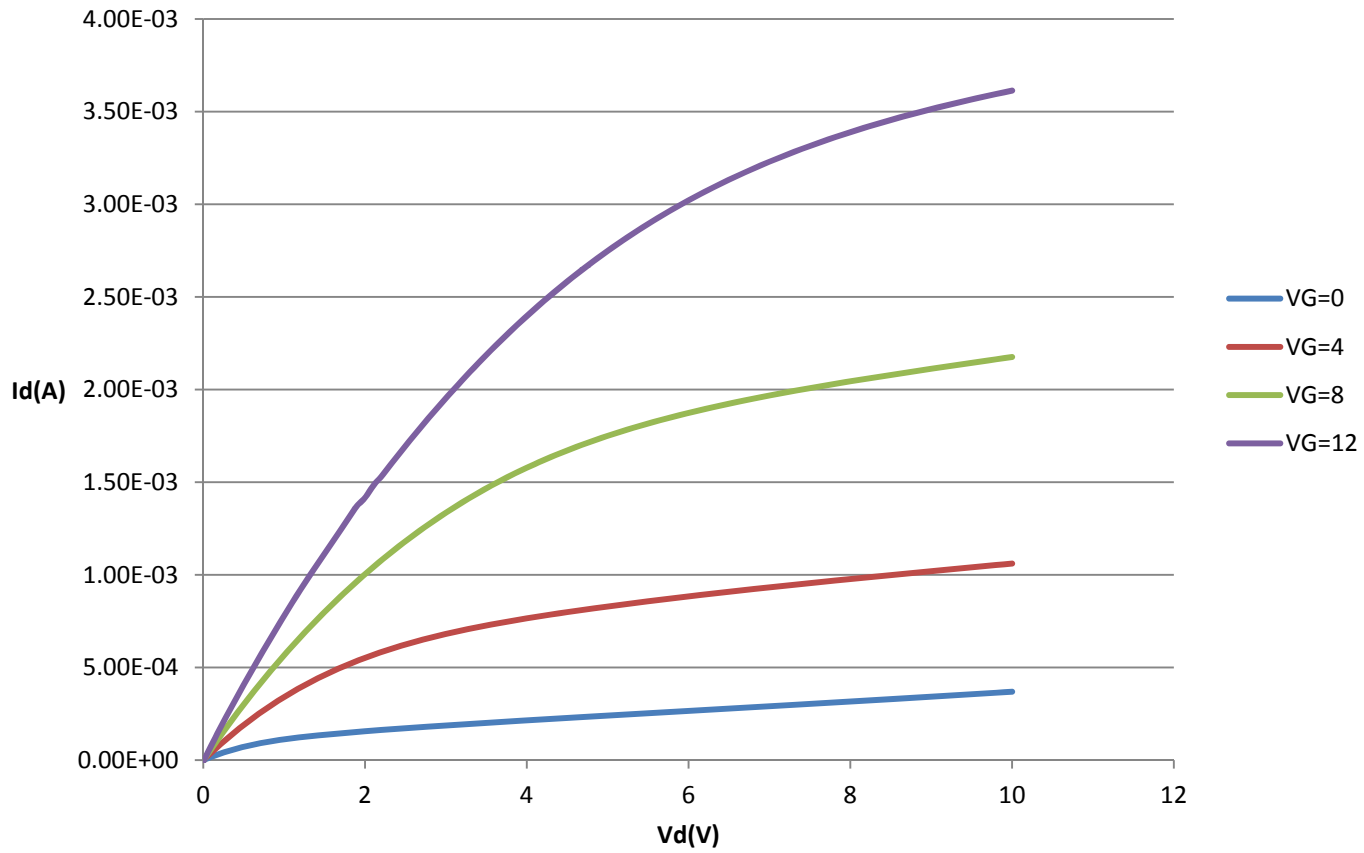
Measurements Results

Dr. Chan Ho Kim (chakim@ucdavis.edu) Dec 11, 2015



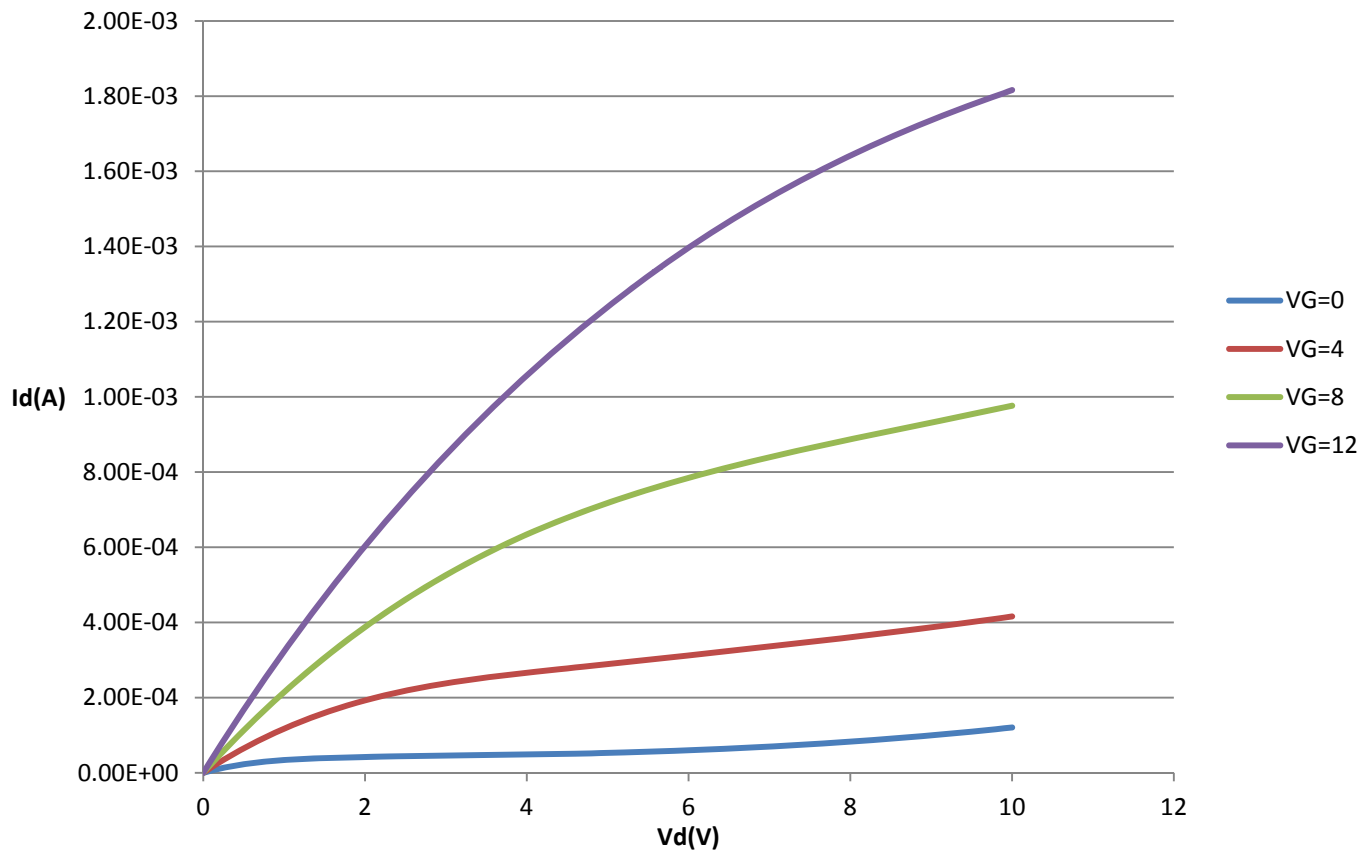
1-(1) NMOS FET (Pin 17 18 19)

NMOS (17,18,19)



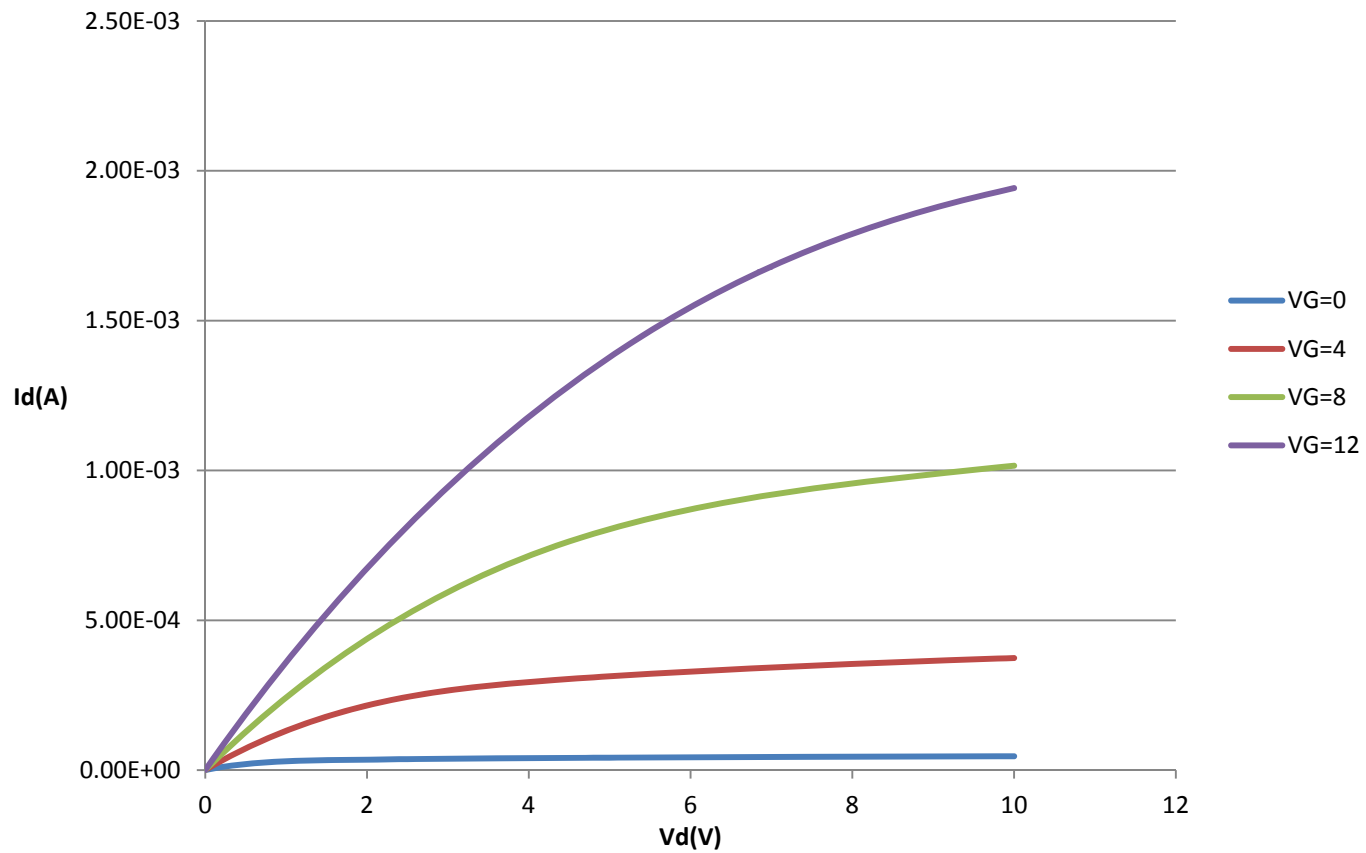
1-(2) NMOS FET (Pin 19 20 21)

NMOS (19,20,21)



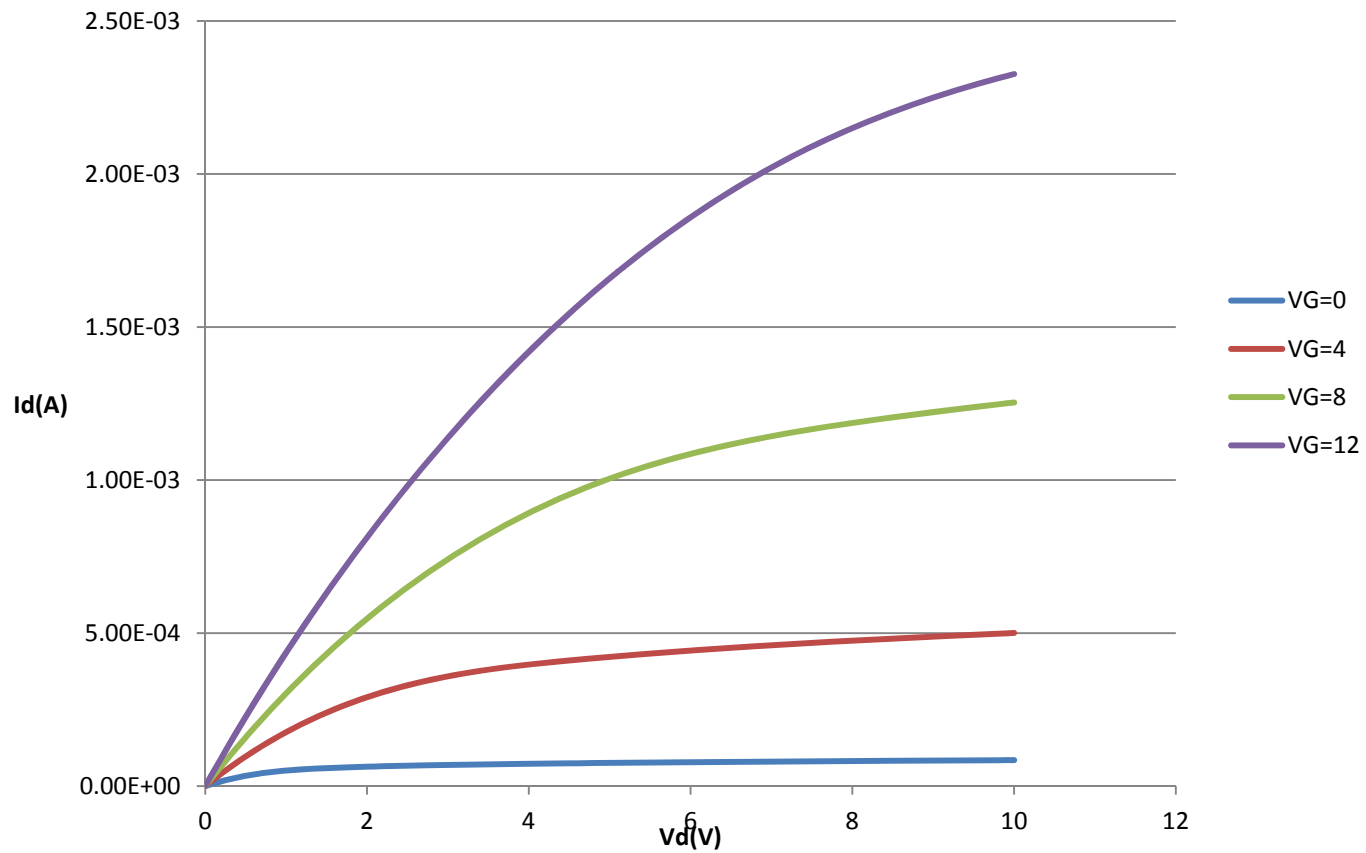
1-(3) NMOS FET (Pin 21 22 23)

NMOS (21,22,23)



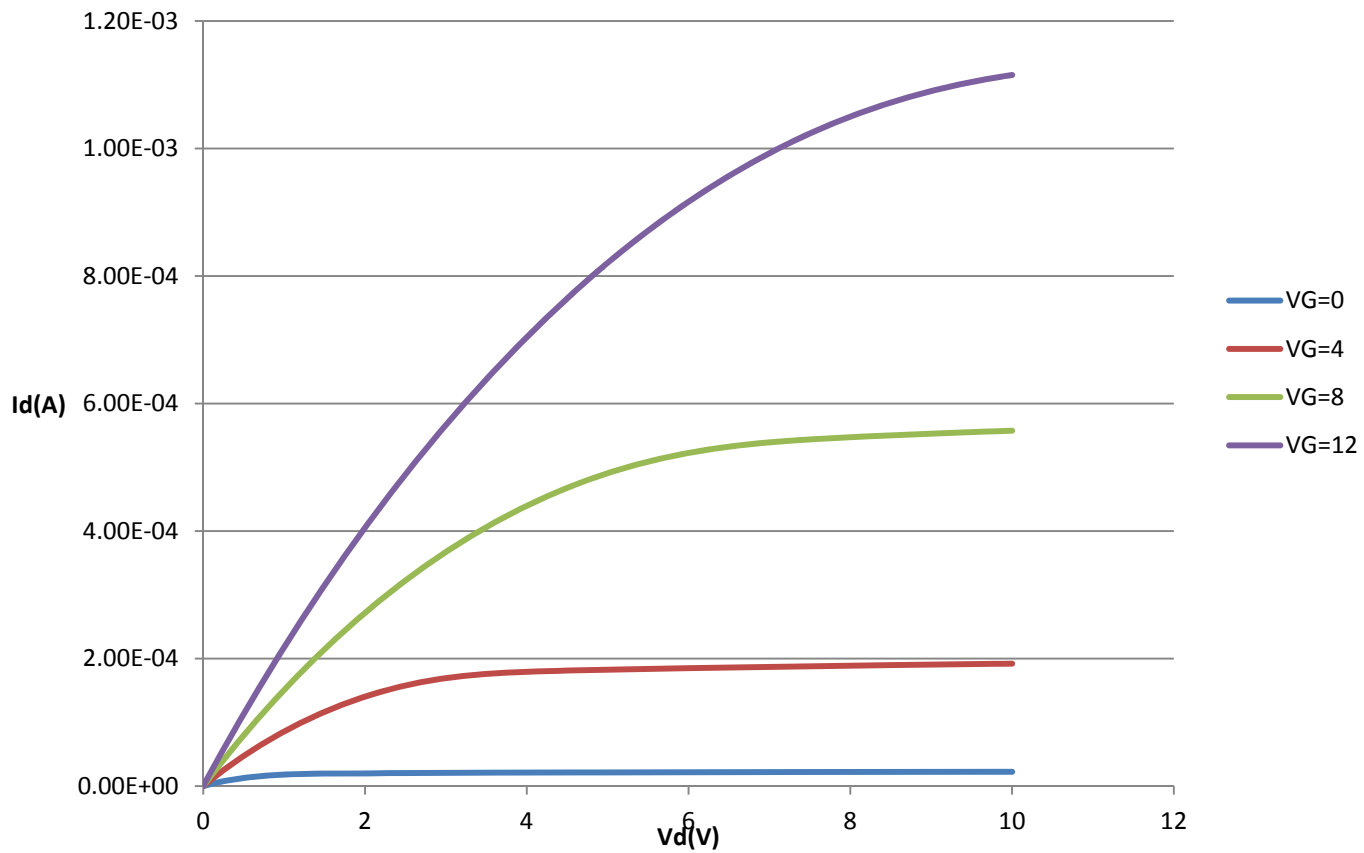
1-(4) NMOS FET (Pin 24 25 26)

NMOS (24,25,26)



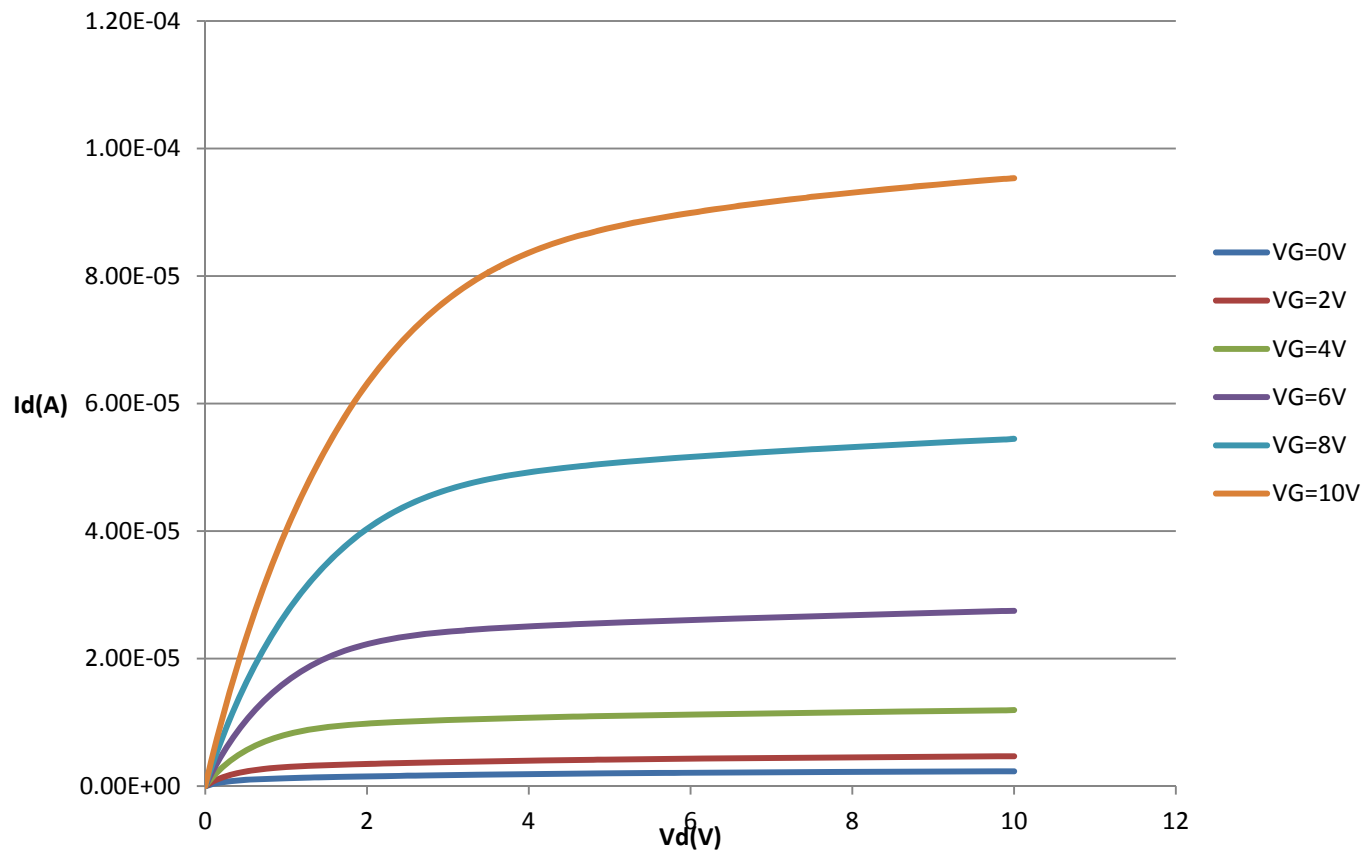
1-(5) NMOS FET (Pin 26 27 28)

NMOS (26,27,28)

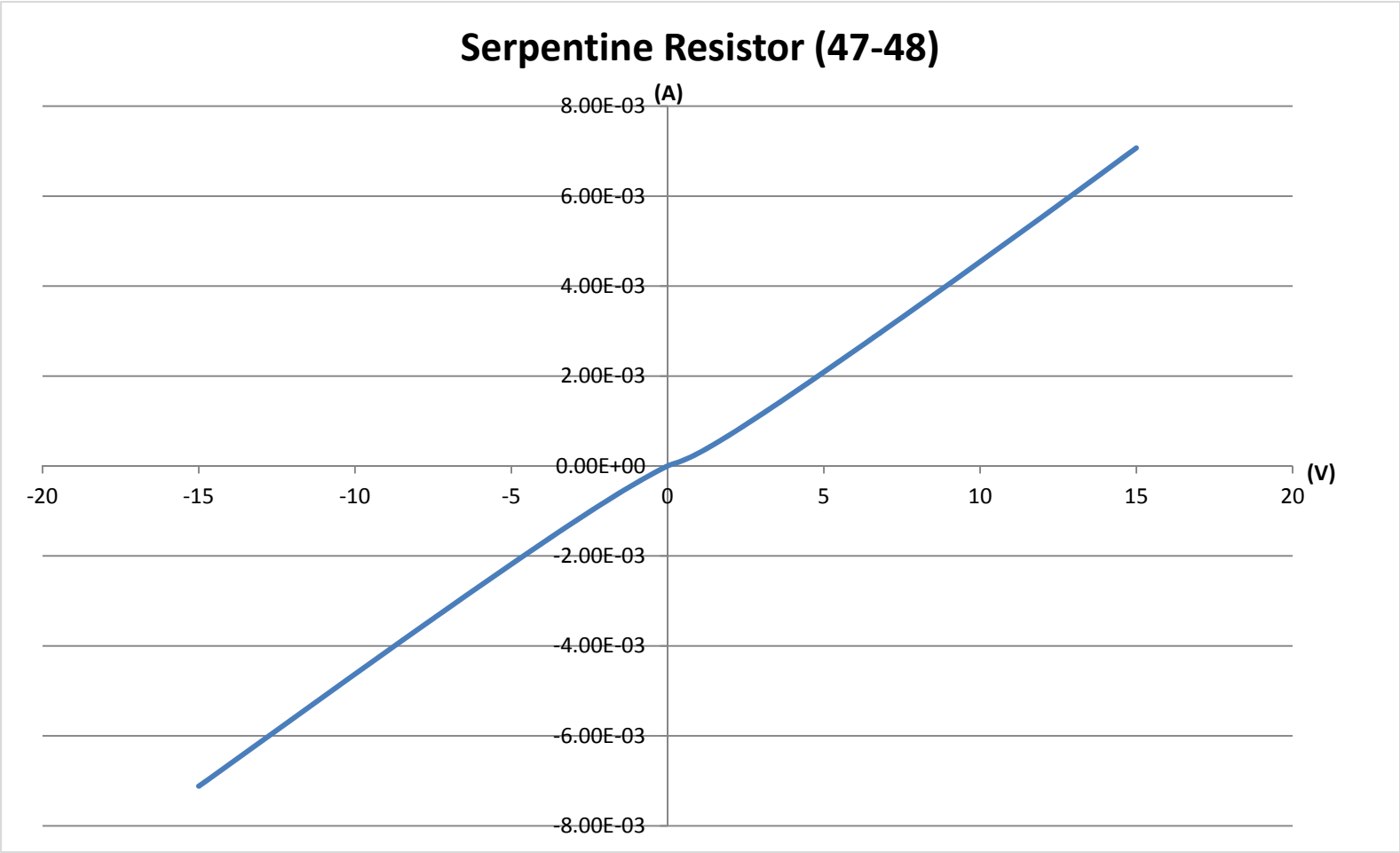


1-(6) NMOS FET (Pin 28 29 30)

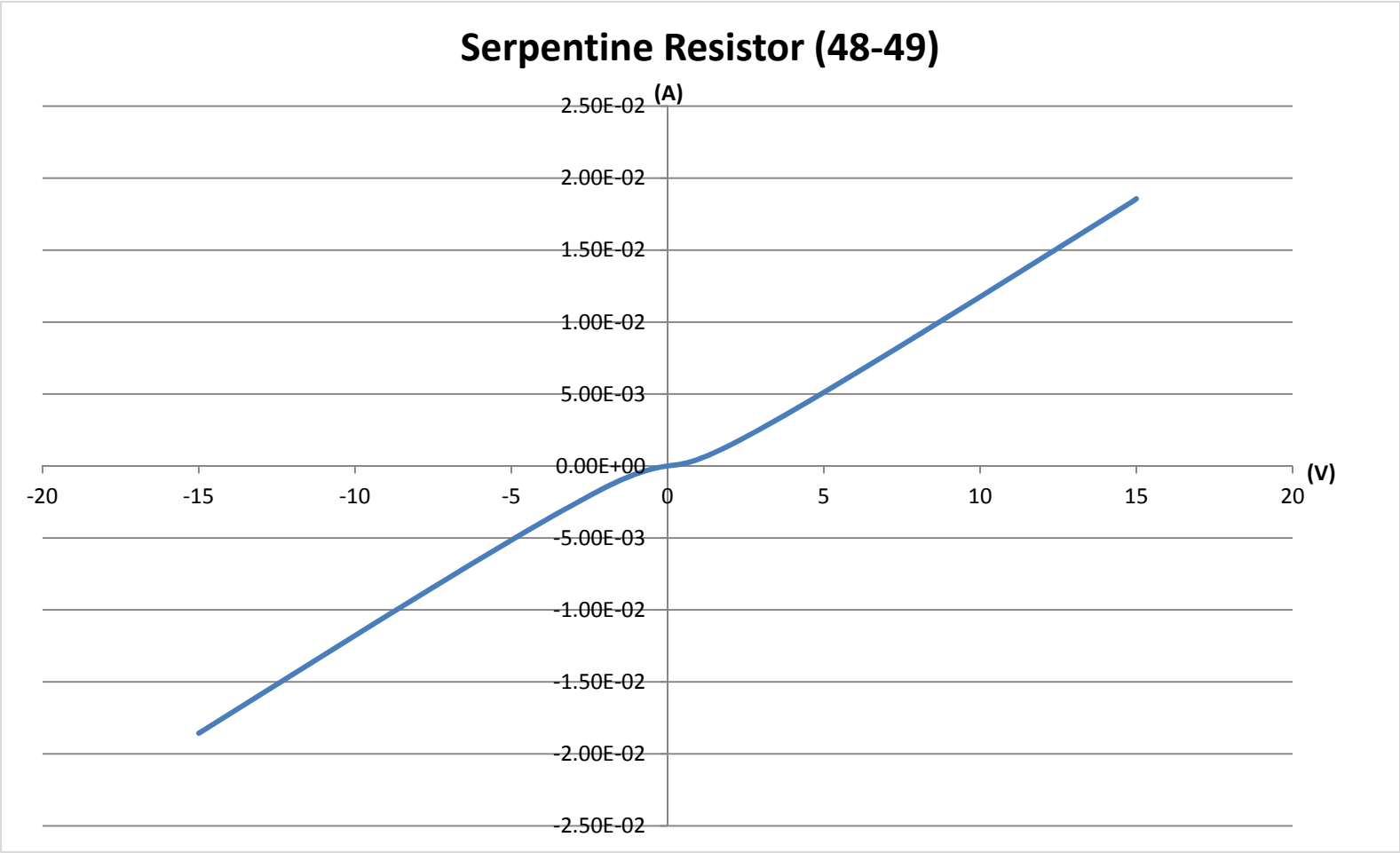
NMOS (28,29,30)



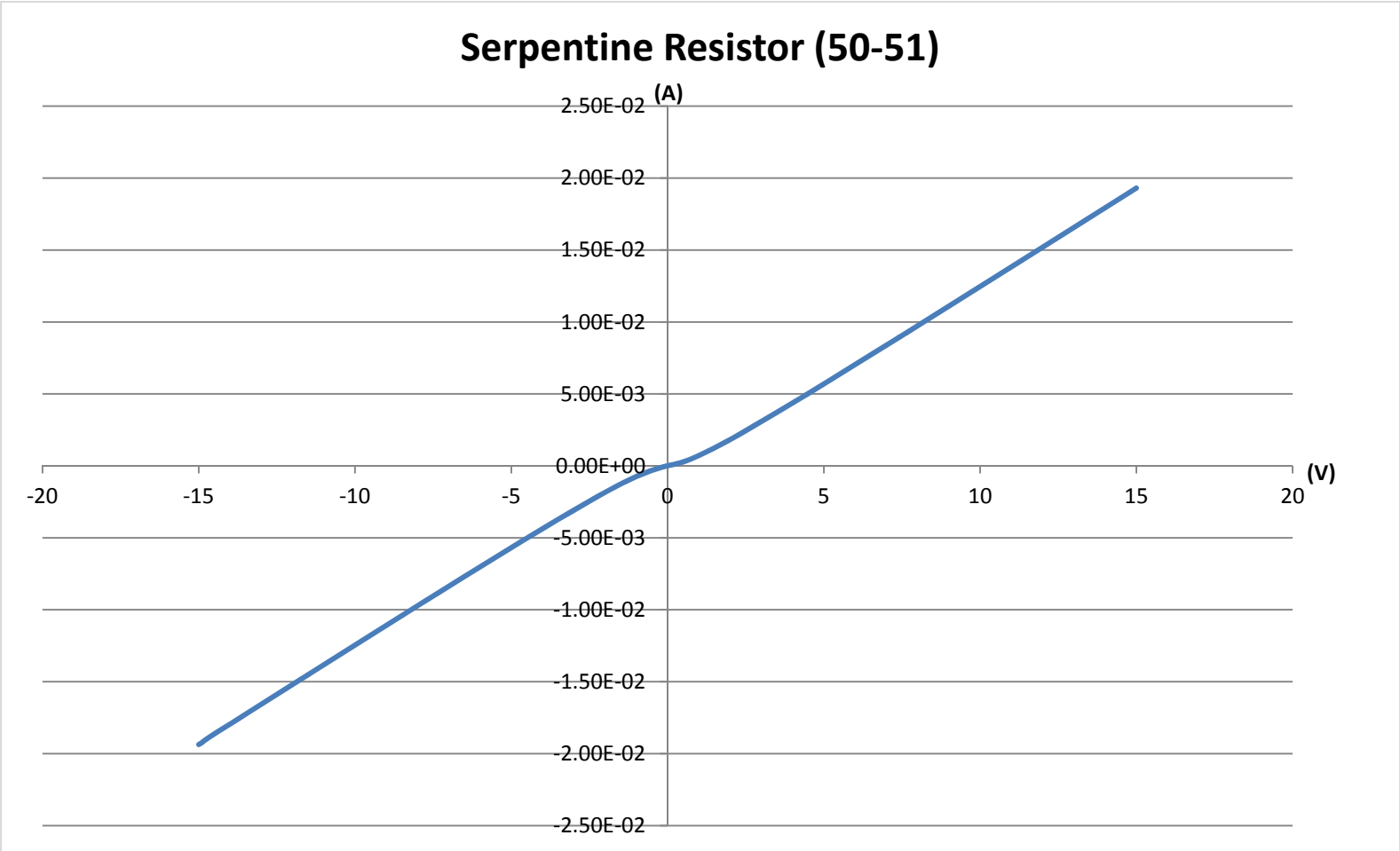
2-(1) Serpentine Resistor (Pin 47, 48)



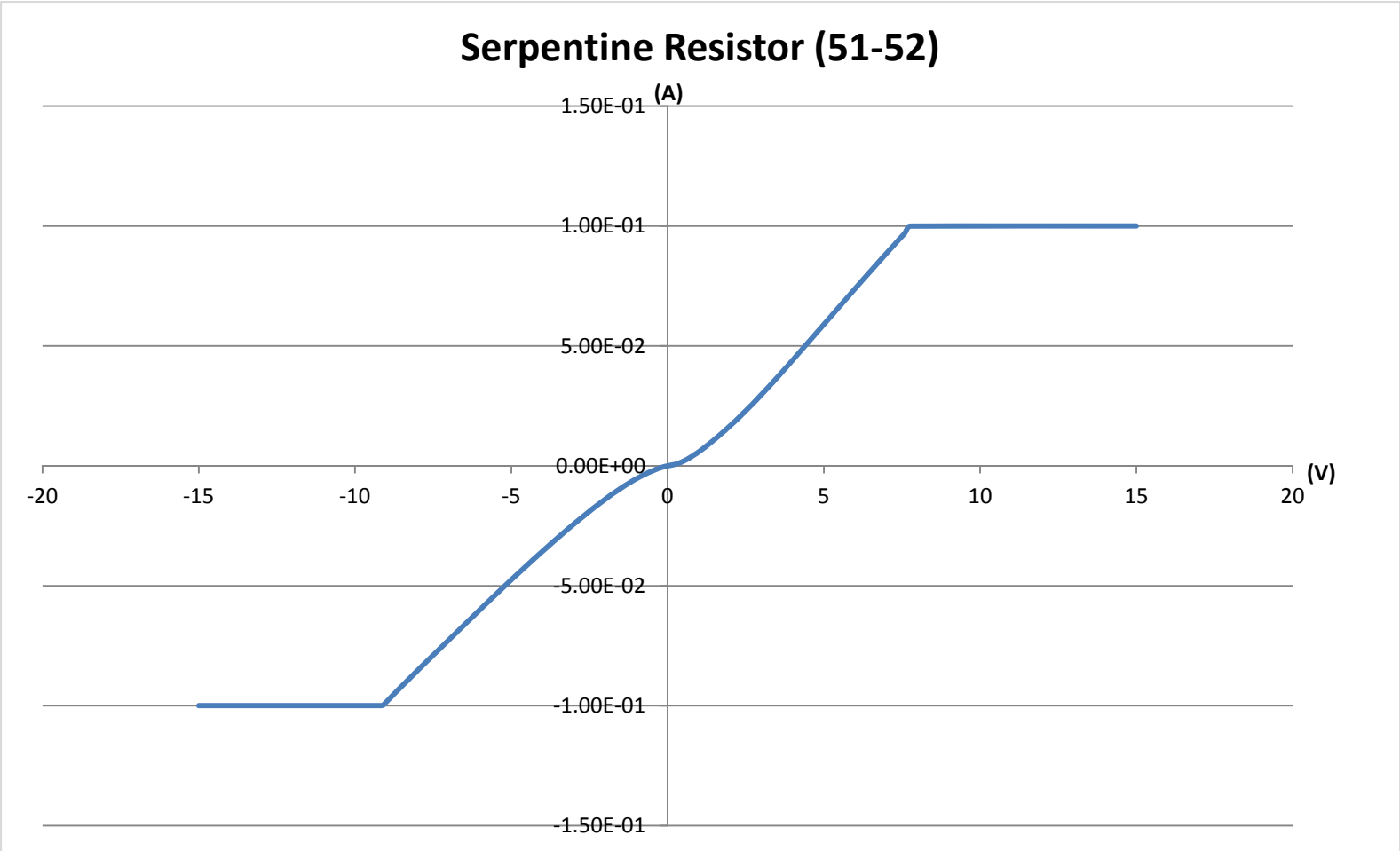
2-(2) Serpentine Resistor (Pin 48, 49)



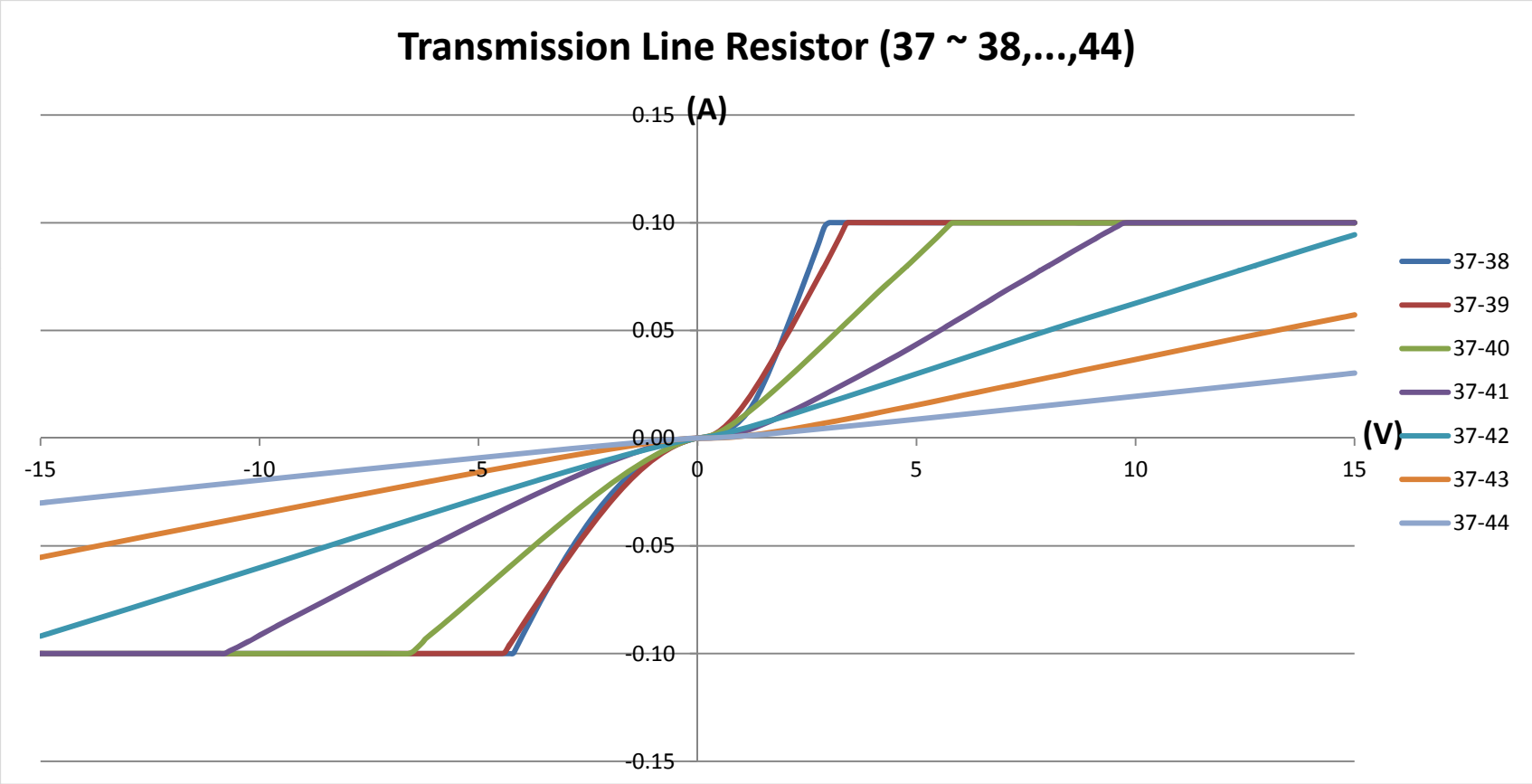
2-(3) Serpentine Resistor (Pin 50, 51)

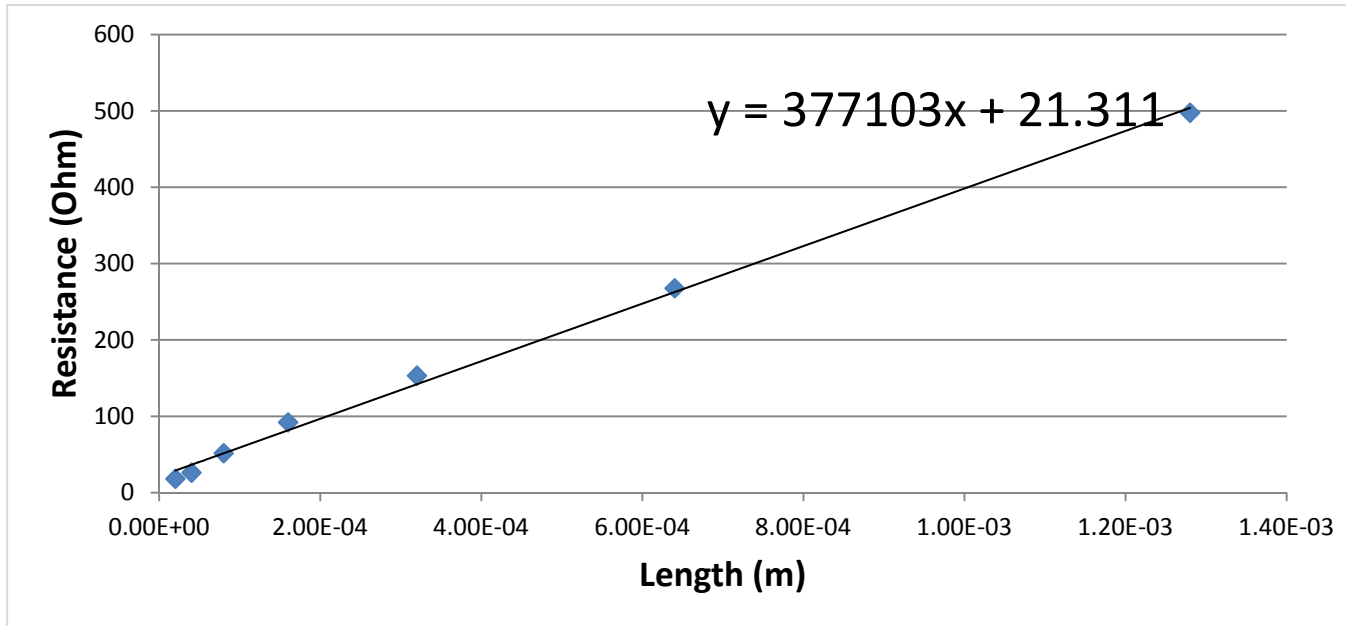


2-(4) Serpentine Resistor (Pin 51, 52)



3 Transmission Line (Pin 37~38,...,44)





	width	Length	R
37-38	3.00E-05	2.00E-05	18.11758311
37-39		4.00E-05	26.23753717
37-40		8.00E-05	51.64400069
37-41		1.60E-04	92.18005838
37-42		3.20E-04	153.256705
37-43		6.40E-04	267.8212739
37-44		1.28E-03	497.7600796

Rs(ohm/sq)	Rc(ohm)	LT(m)
1.13E+01	10.6555	2.82562E-05

rho_c(contact resistivity)(ohm m ²)
9.03E-09