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EXHIBIT B

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Name	Symbol	Value
terra	Т	1012
giga	G	109
mega	M (MEG in SPICE)	106
kilo	k	I0 ³
milli	m	10 ⁻³
micro	μ (or u)	10-6
nano	n	10-9
pico	р	10 ⁻¹²
femto	f	10-15
atto	a (not used in SPICE)	10-18

Multipliers

Physical Constants

Name	Symbol	Value/Units
Vacuum dielectric constant	ε ₀	8.85 aF/µm
Silicon dielectric constant	ε _{si}	11.7ε ₀
SiO ₂ dielectric constant	ε _{ox}	3.97 ₆₀
SiN ₃ dielectric constant	ε _{ni}	16ε ₀
Boltzmann's constant	k	$1.38 \times 10^{-23} \text{ J/K}$
Electronic charge	q	$1.6 \times 10^{-19} \mathrm{C}$
Temperature	Т	Kelvin
Thermal voltage	V _T	kT/q = 26 mV @ 300 K

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