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Control Loop	Voltage mode PID	Time based PID
Process	0.13µm CMOS	0.18µm CMOS
Supply Voltage	3.3V	1.8V
Output Voltage	0.37V – 2.85V	0.6V – 1.5V
F _{sw}	10MHz(30MHz)	11-15MHz
L/C	330nH/3.3µF(1uF)	220nH/4.7µF
Max. Load Current	1.5A@V ₀ =2.4V	600mA
Settling Time	n/a	3.5µs
Output Ripple	n/a	3.5mV
Controller Current	n/a	23µA@11MHz
Peak Efficiency	91.8%(86.6%)	94%@V _o =1V
Active Area	n/a	0.24mm ²































