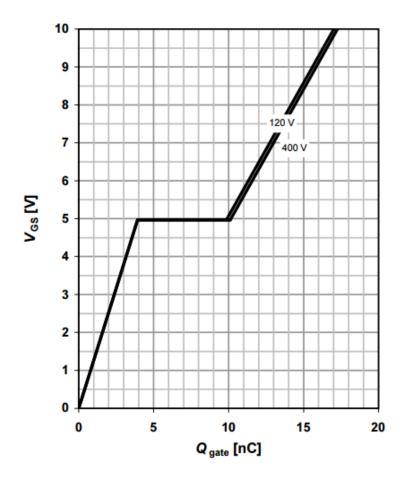
Overlap Time

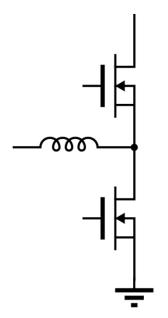
9 Typ. gate charge

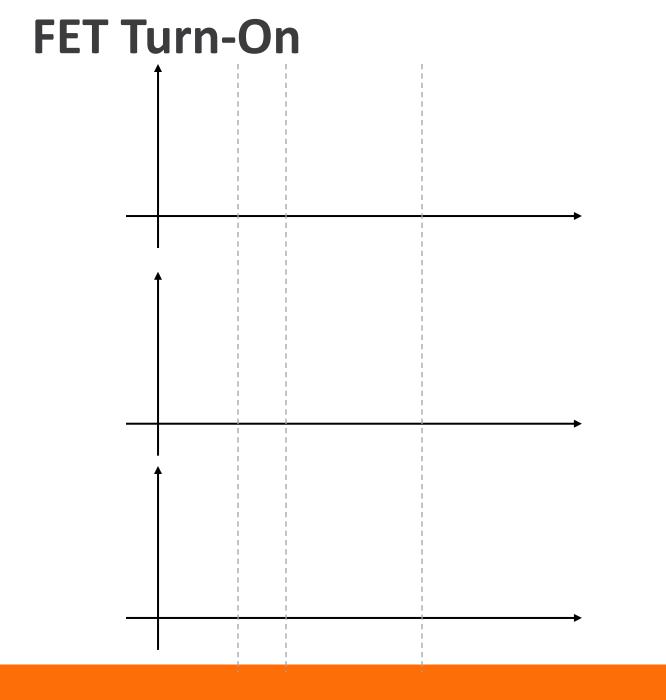
 $V_{\rm GS}$ =f(Q $_{\rm gate}$); $I_{\rm D}$ =5.2 A pulsed

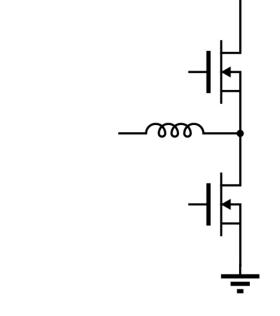
parameter: V_{DD}

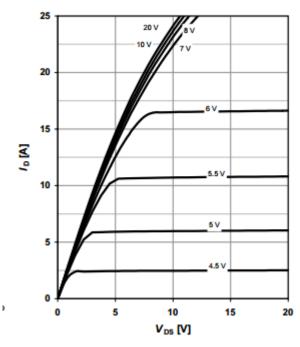
Gate threshold voltage	V _{GS(th)}	V _{DS} =V _{GS} , I _D =0.34 mA	2.5	3	3.5	
Gate resistance	R _G	f=1 MHz, open drain	•	1.8	٠	Ω



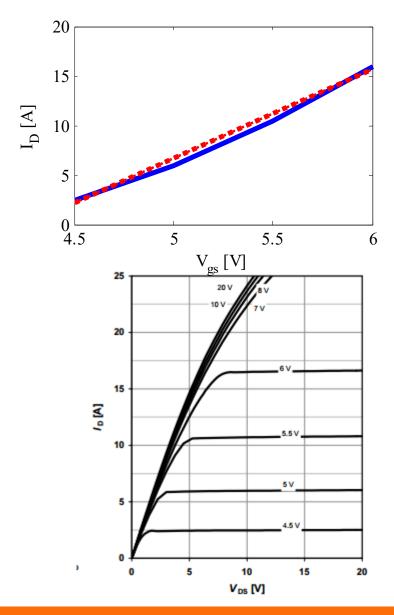




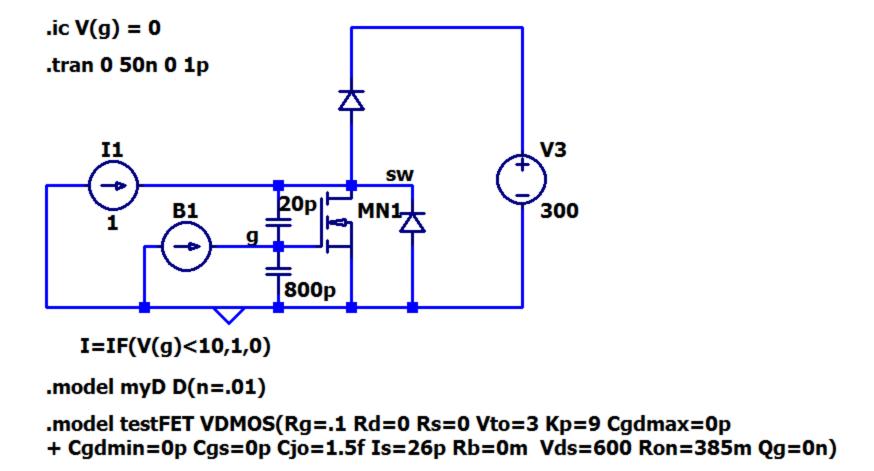




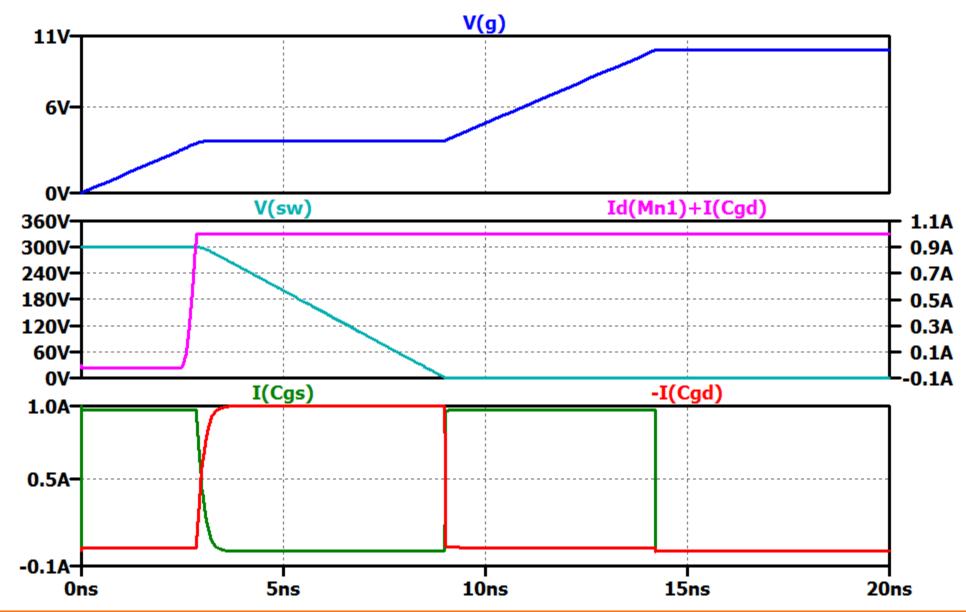
Device Transconductance



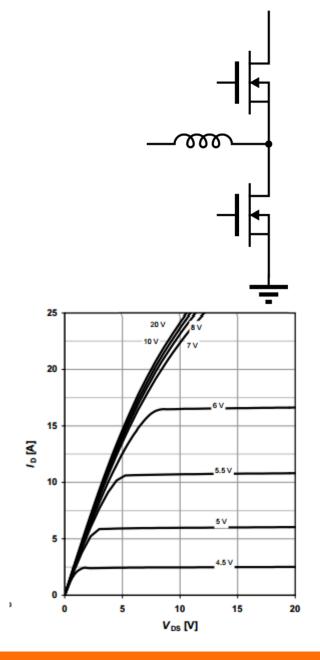
Example Simulation



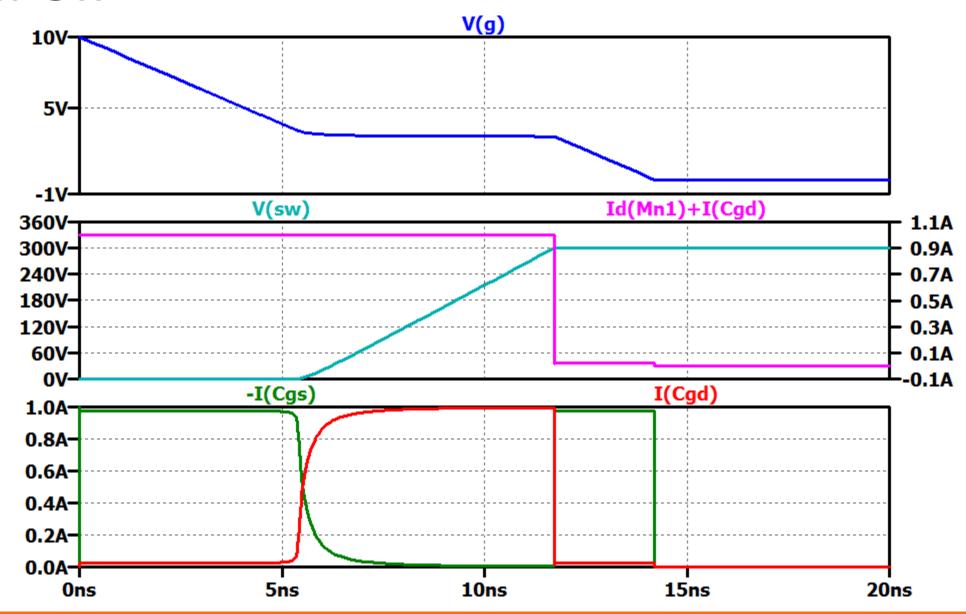
Simulation Waveforms – Turn On



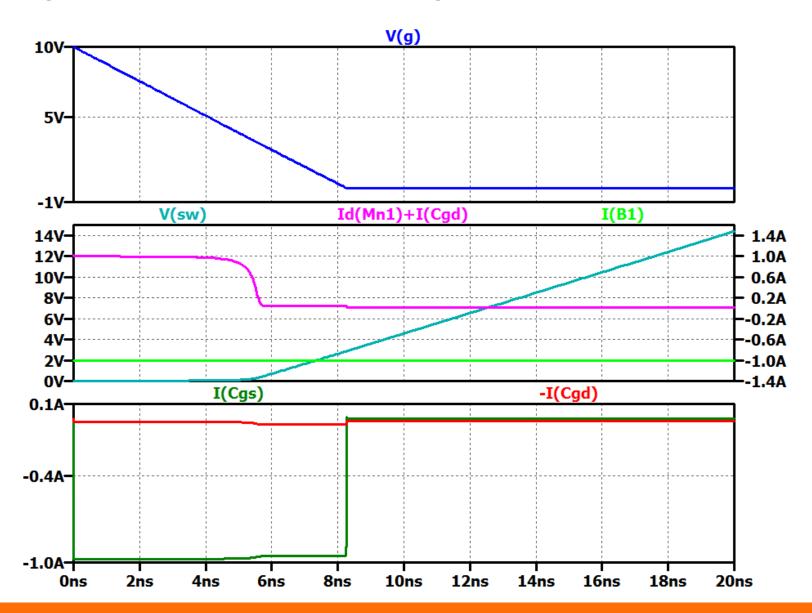
Turn-Off Transition



Turn-Off



Turn-Off (Drain Dominated)



Gate- vs. Drain-Limited Switching