

**Test Report of PMP9435
(Flyback with LM5022)**

23 Jun. 2014



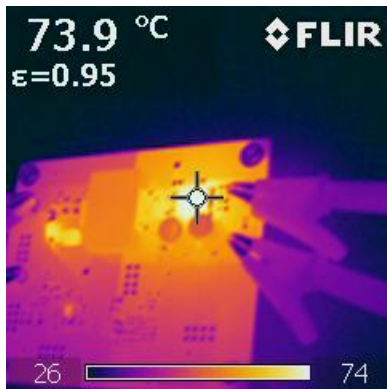
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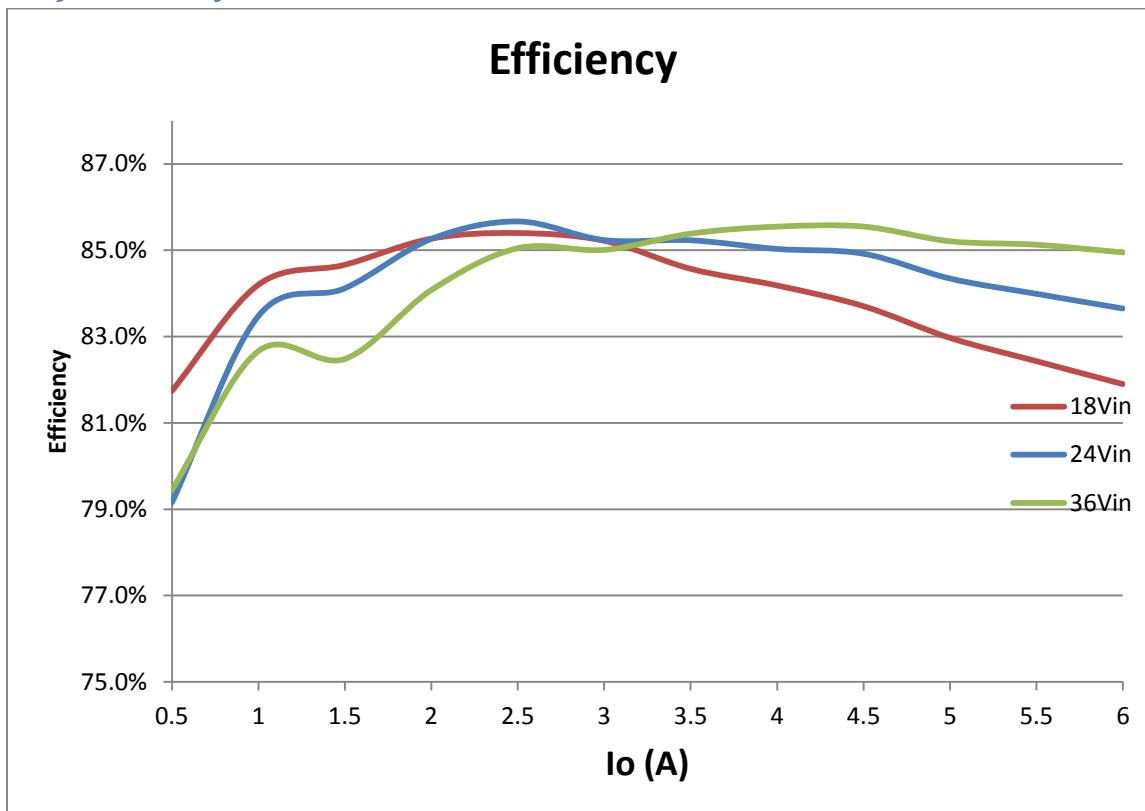
1) Design Specifications

Vin Min.	18Vdc
Vin Max.	36Vdc
Vout	5Vdc
Iout	6A
Switching frequency	330k

2) Circuit Schematic and Board



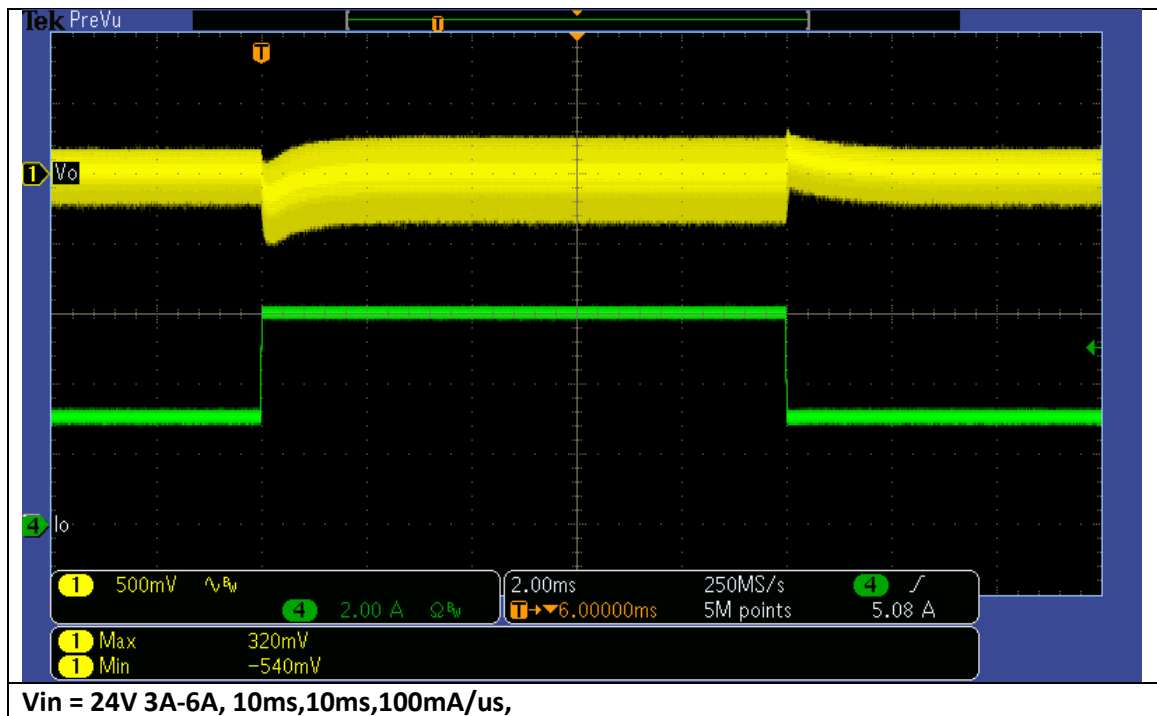
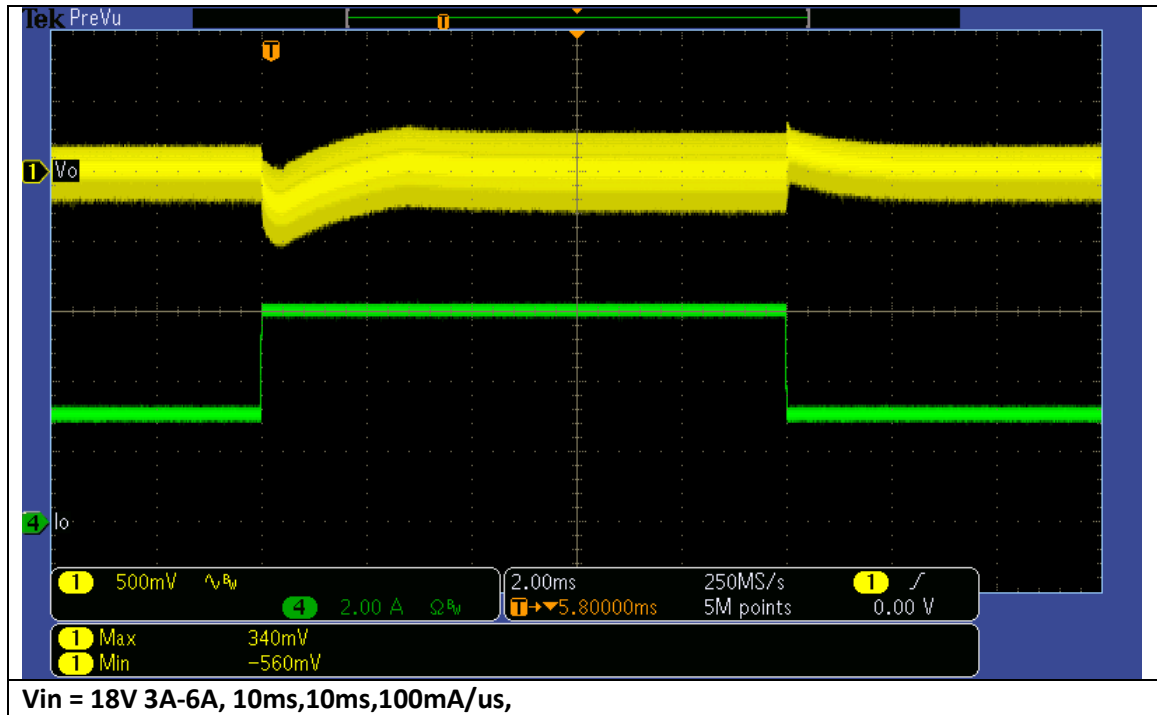
3.2) Efficiency

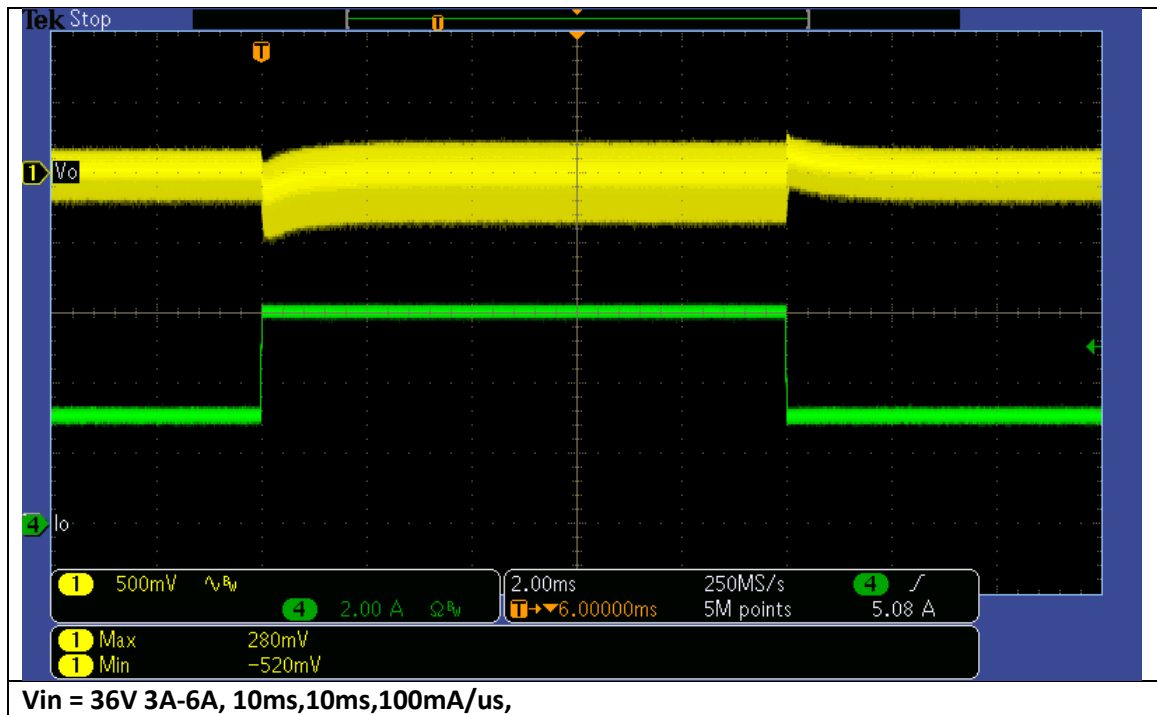


Vin	Iin	Pin	Vo1	Io1	Po	effi.
18	0.009	0.162	5.098			
18	0.173	3.114	5.091	0.5	2.546	81.7%
18	0.336	6.048	5.093	1	5.093	84.2%
18	0.501	9.018	5.090	1.5	7.635	84.7%

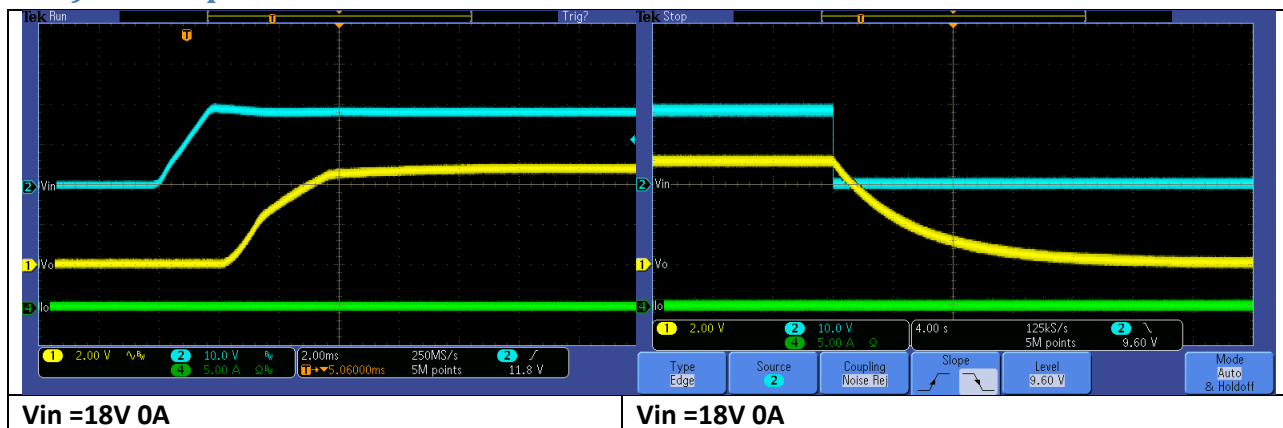
18	0.663	11.934	5.088	2	10.176	85.3%
18	0.827	14.886	5.085	2.5	12.713	85.4%
18	0.994	17.892	5.083	3	15.248	85.2%
18	1.168	21.024	5.080	3.5	17.780	84.6%
18	1.340	24.120	5.076	4	20.305	84.2%
18	1.515	27.270	5.073	4.5	22.826	83.7%
18	1.697	30.546	5.069	5	25.344	83.0%
18	1.878	33.804	5.066	5.5	27.865	82.4%
18	2.061	37.098	5.064	6	30.383	81.9%
24	0.010	0.240	5.094			
24	0.134	3.216	5.091	0.5	2.546	79.2%
24	0.254	6.096	5.089	1	5.089	83.5%
24	0.378	9.072	5.088	1.5	7.631	84.1%
24	0.497	11.928	5.085	2	10.170	85.3%
24	0.618	14.832	5.083	2.5	12.706	85.7%
24	0.745	17.880	5.080	3	15.240	85.2%
24	0.869	20.856	5.079	3.5	17.776	85.2%
24	0.995	23.880	5.076	4	20.305	85.0%
24	1.120	26.880	5.073	4.5	22.826	84.9%
24	1.252	30.048	5.069	5	25.344	84.3%
24	1.382	33.168	5.065	5.5	27.858	84.0%
24	1.513	36.312	5.063	6	30.375	83.7%
36	0.006	0.216	5.094			
36	0.089	3.204	5.091	0.5	2.546	79.5%
36	0.171	6.156	5.089	1	5.089	82.7%
36	0.257	9.252	5.088	1.5	7.631	82.5%
36	0.336	12.096	5.085	2	10.170	84.1%
36	0.415	14.940	5.083	2.5	12.706	85.0%
36	0.498	17.928	5.080	3	15.240	85.0%
36	0.578	20.808	5.076	3.5	17.767	85.4%
36	0.659	23.724	5.074	4	20.295	85.5%
36	0.741	26.676	5.071	4.5	22.821	85.5%
36	0.826	29.736	5.068	5	25.338	85.2%
36	0.909	32.724	5.065	5.5	27.858	85.1%
36	0.993	35.748	5.061	6	30.368	84.9%

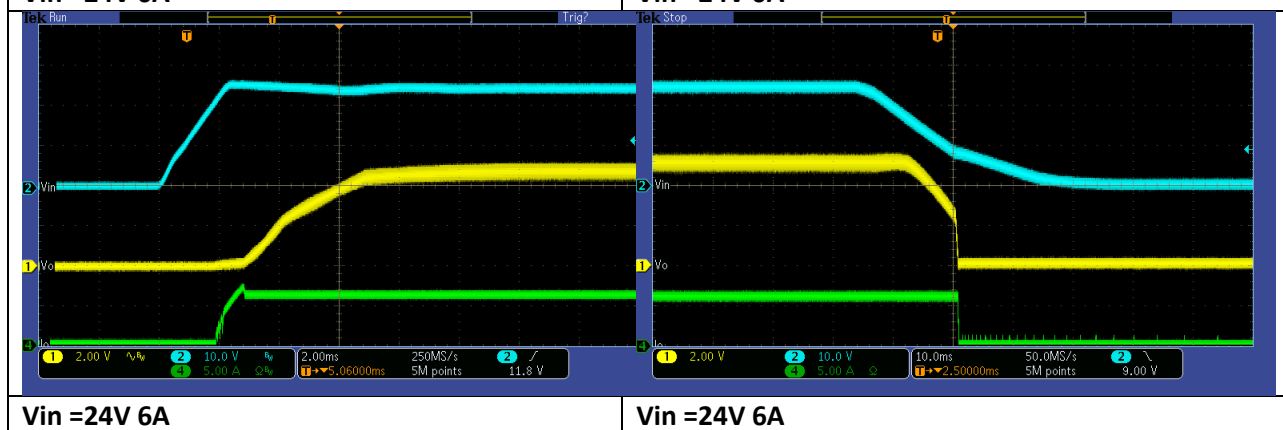
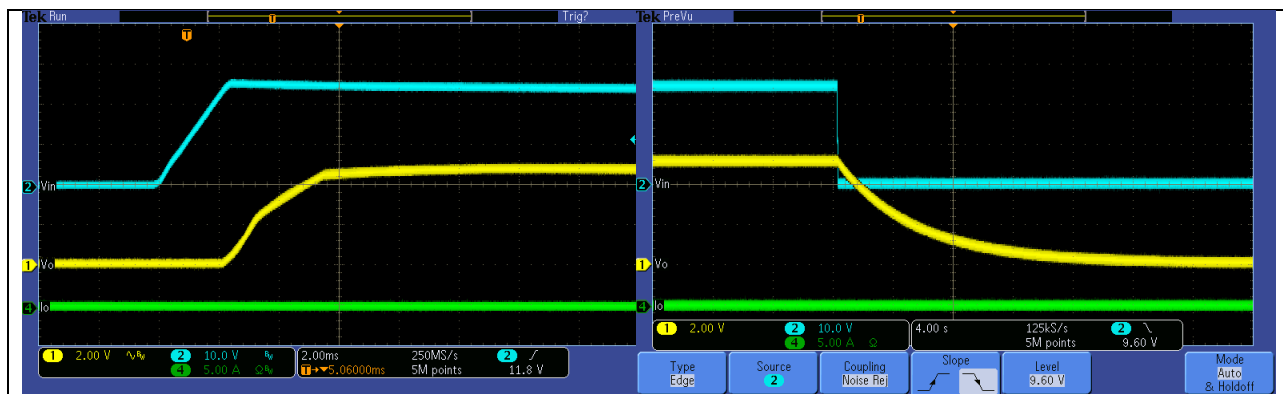
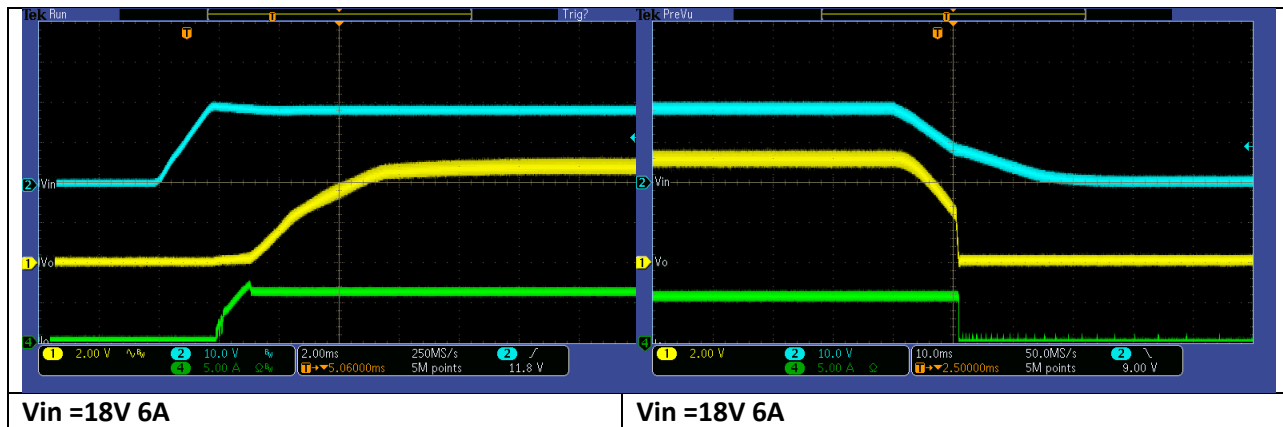
3.3) Dynamic Response

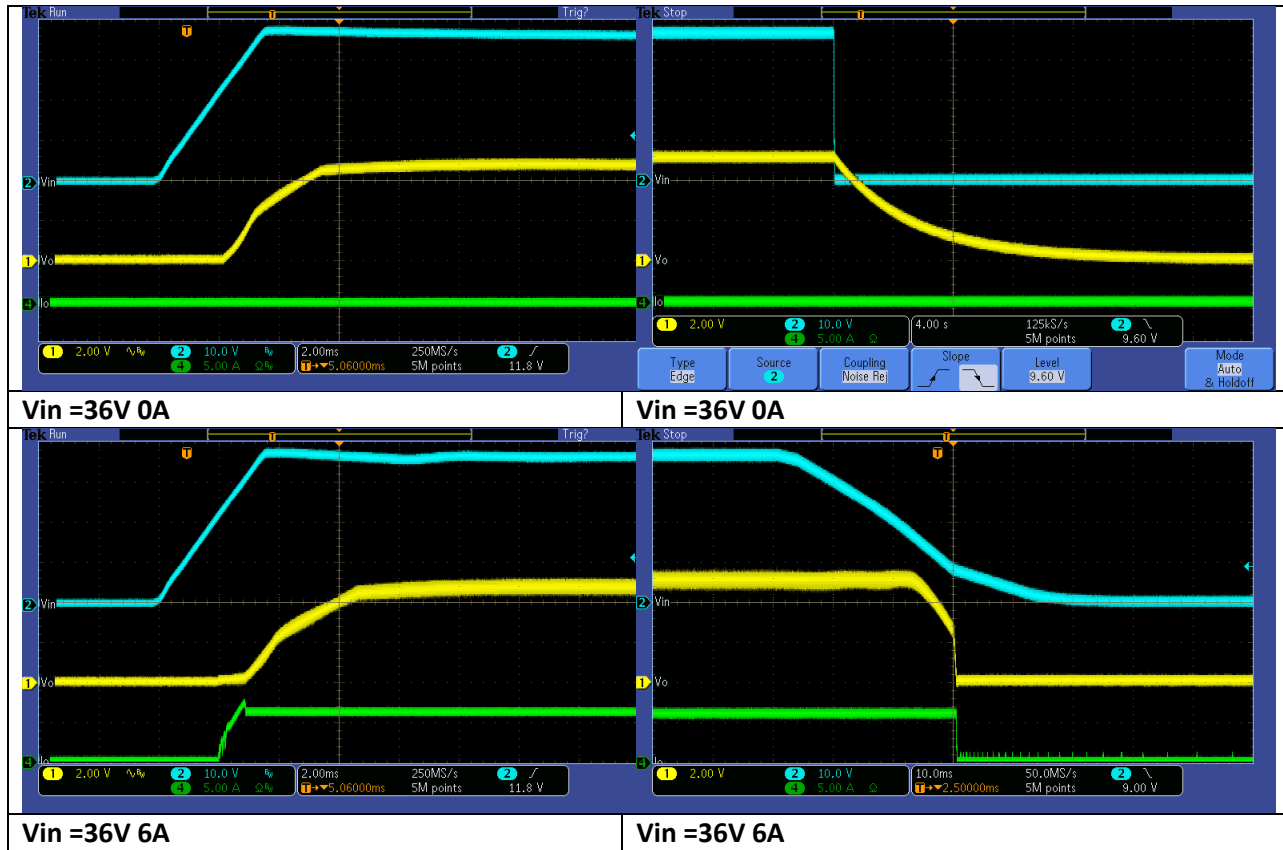




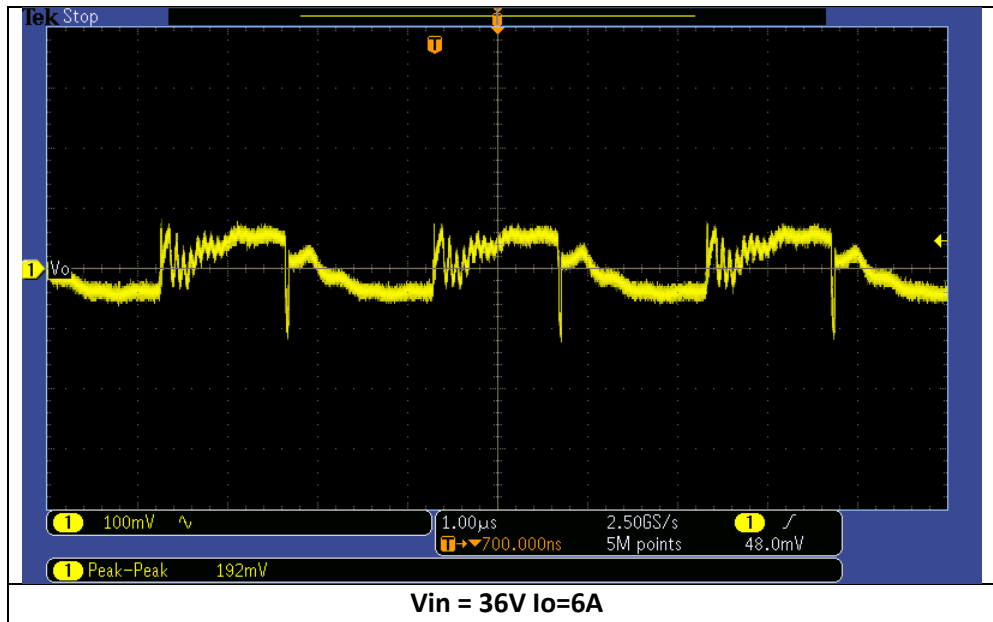
3.4) Start up and Shutdown

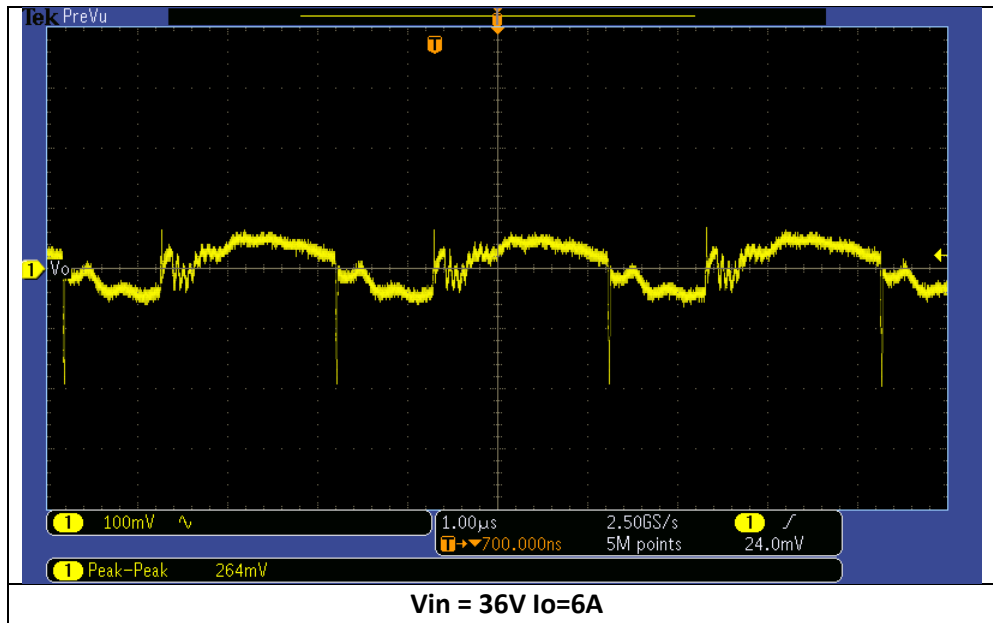
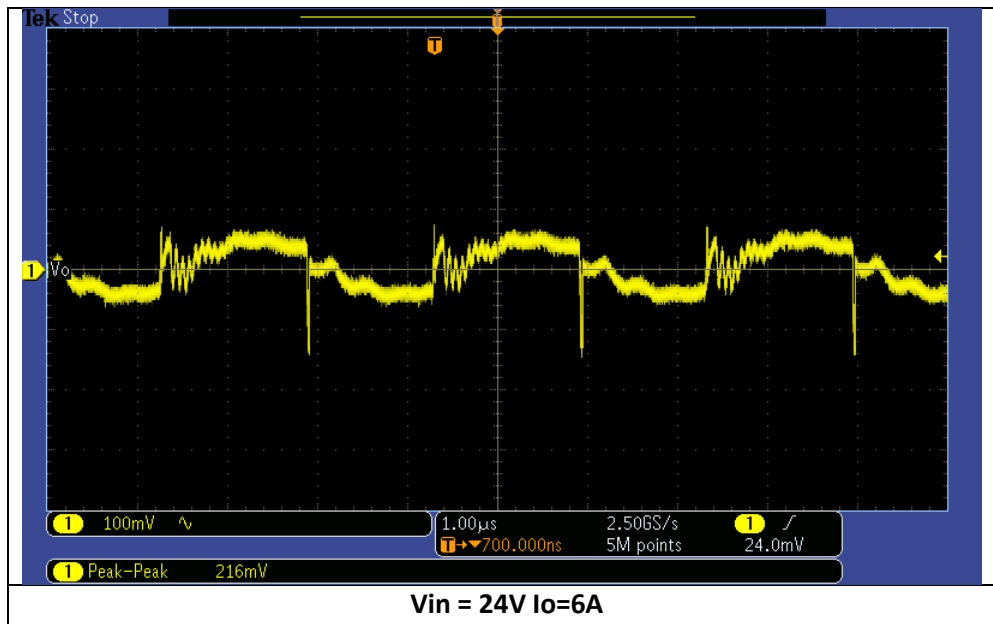




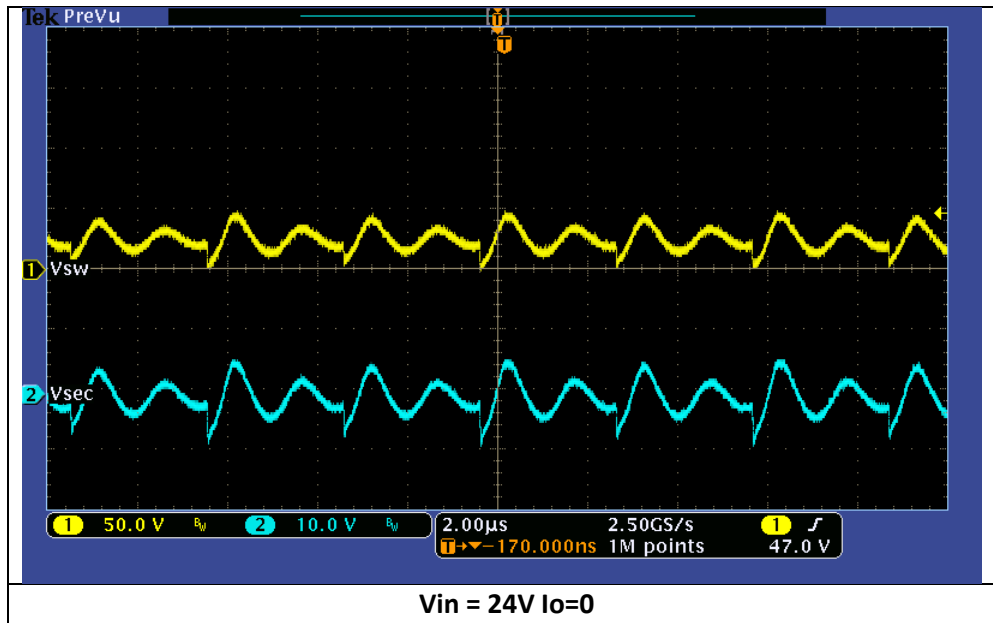
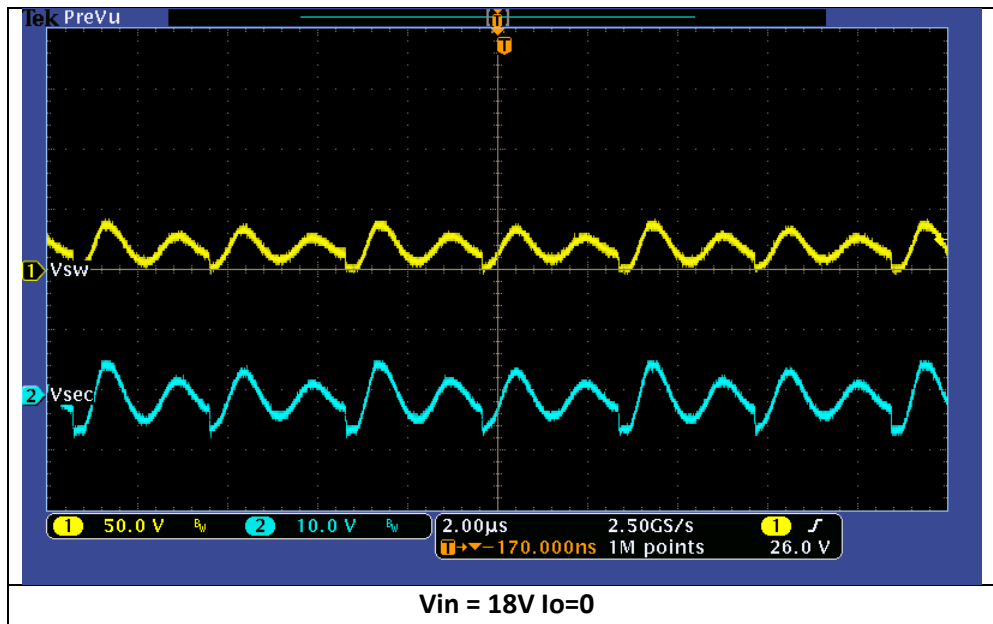


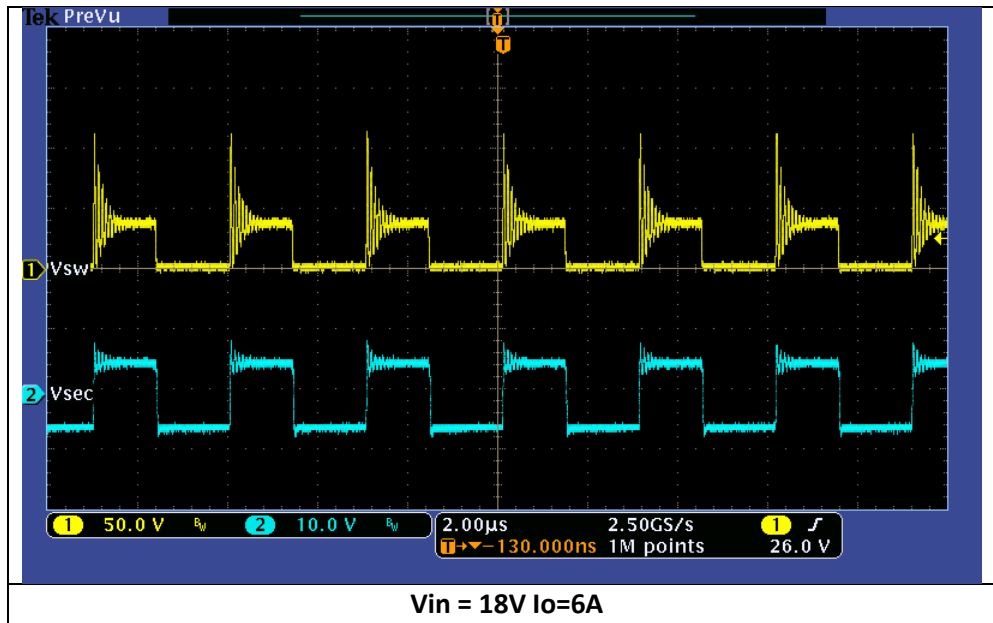
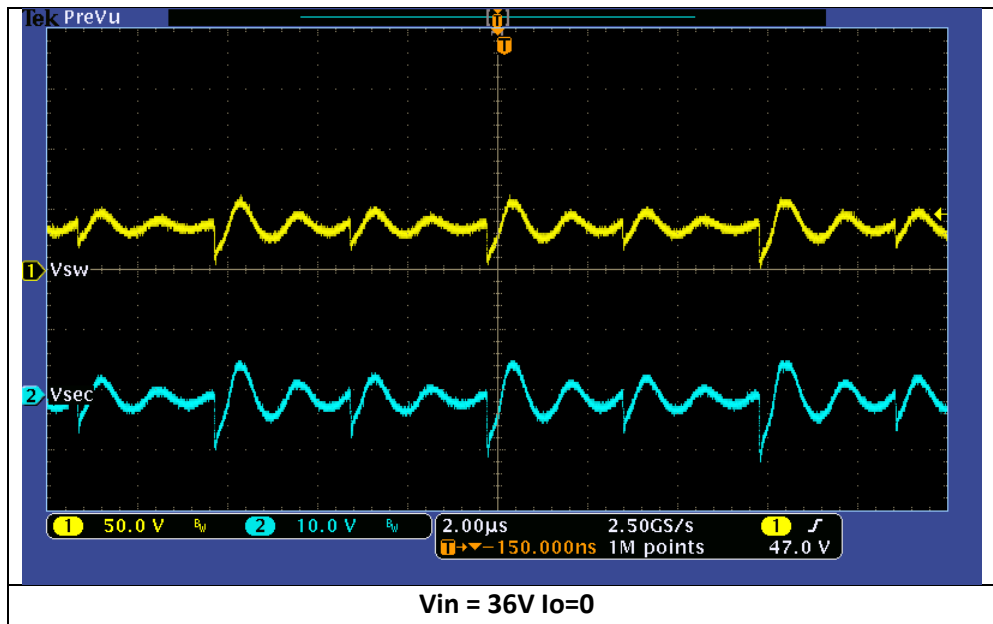
3.5) Output Ripple

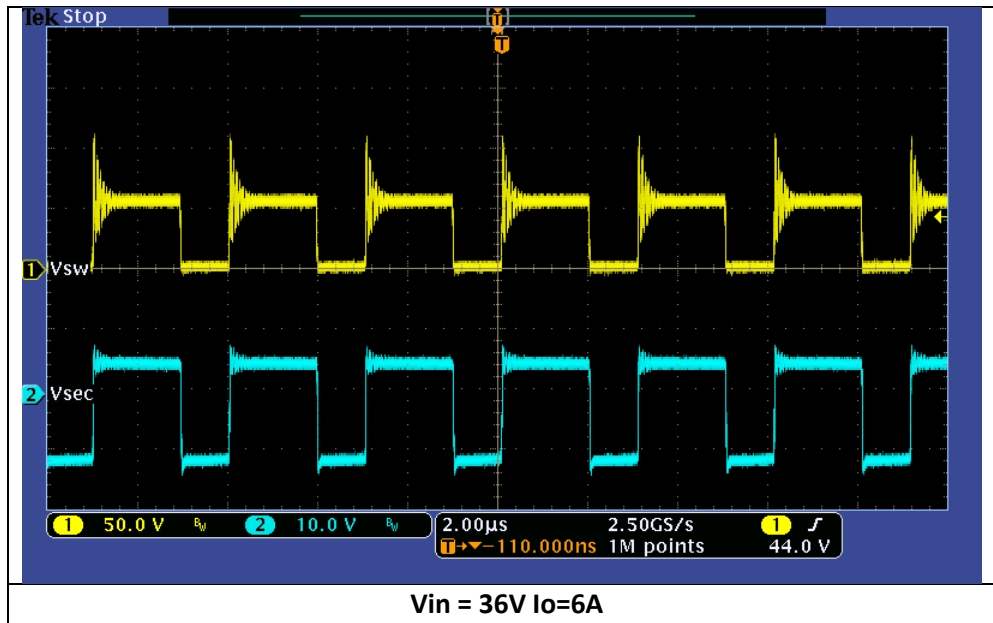
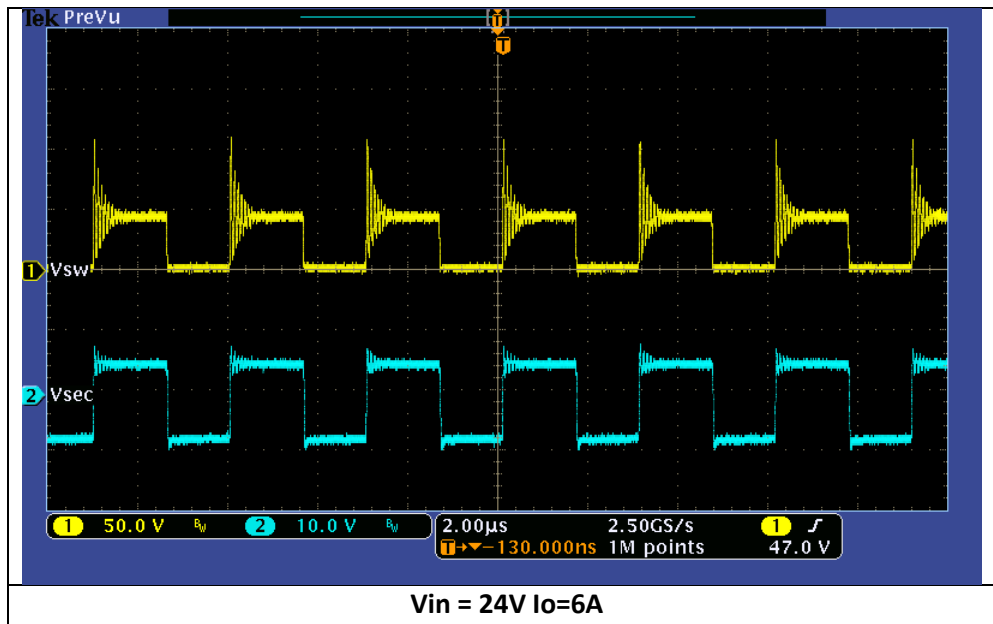




3.6) SW Waveforms







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