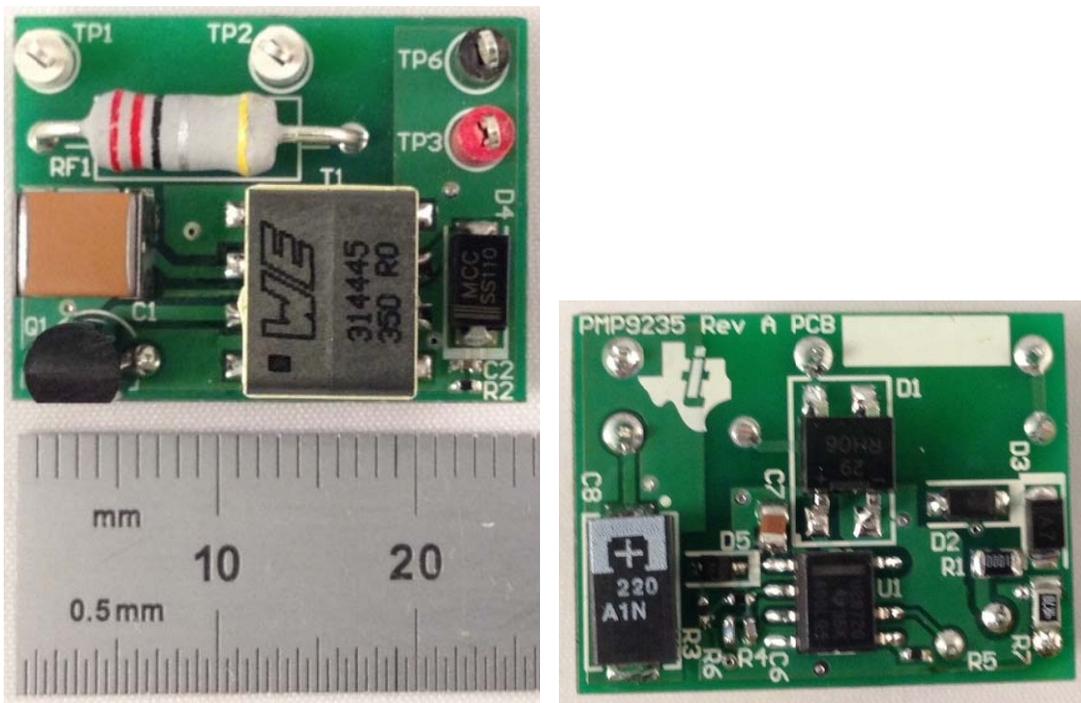


1 Photos

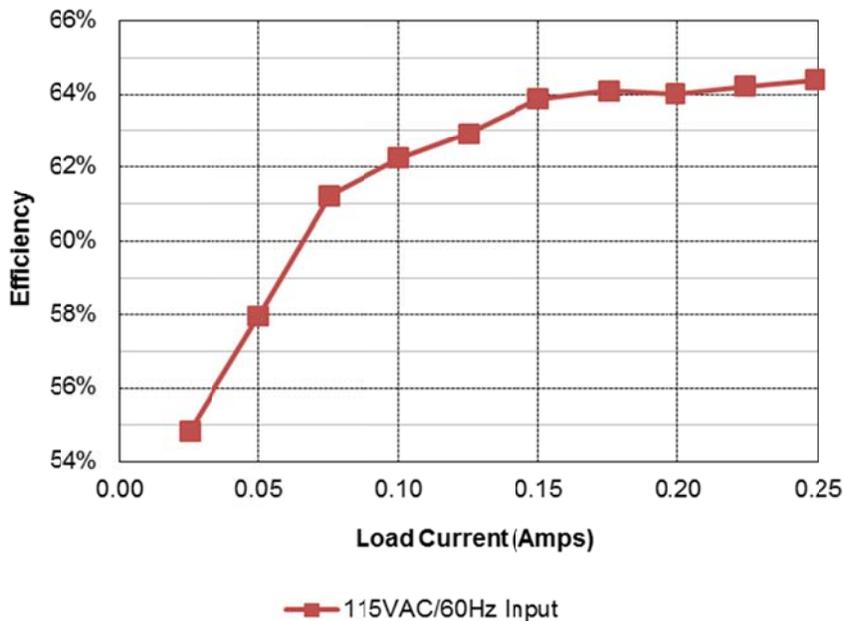
The photographs below show the PMP9235 Rev A prototype assembly.



2 Standby Power

With no load attached to the output of the supply, the unit draws 14mW of input power with an 115VAC/60Hz input.

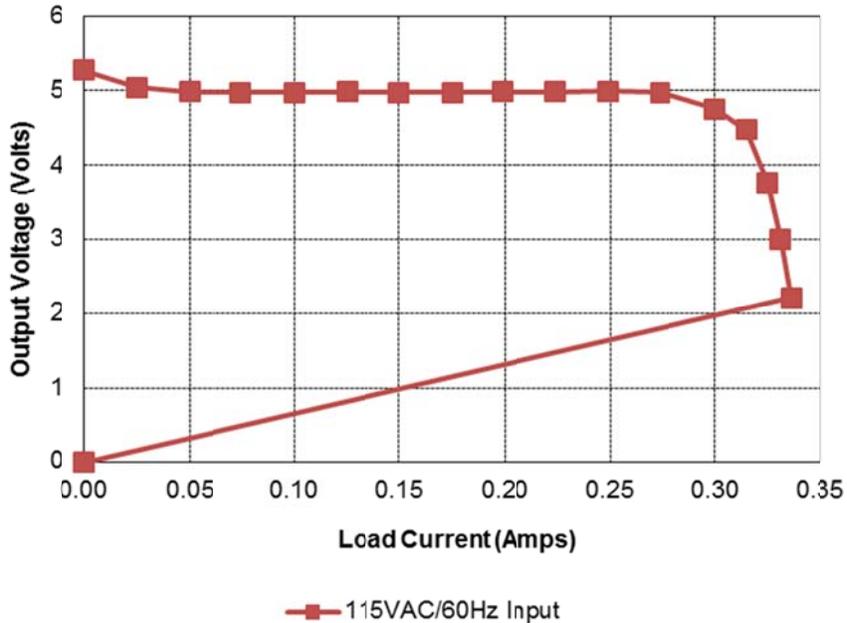
3 Efficiency



Iout	Vout	Vin	Iin	Pin	PF	Pout	Losses	Efficiency
0.000	5.278	114.9	0.0007	0.014		0.00	0.01	0.0%
0.025	5.045	114.9	0.005	0.23	0.42	0.13	0.10	54.8%
0.050	4.985	114.9	0.008	0.43	0.48	0.25	0.18	58.0%
0.075	4.979	114.9	0.010	0.61	0.51	0.37	0.24	61.2%
0.100	4.980	114.9	0.013	0.80	0.53	0.50	0.30	62.3%
0.125	4.984	114.9	0.016	0.99	0.55	0.62	0.37	62.9%
0.150	4.982	114.9	0.018	1.17	0.56	0.75	0.42	63.9%
0.175	4.982	114.9	0.021	1.36	0.57	0.87	0.49	64.1%
0.199	4.986	114.9	0.023	1.55	0.58	0.99	0.56	64.0%
0.224	4.988	114.9	0.026	1.74	0.59	1.12	0.62	64.2%
0.249	4.991	114.9	0.029	1.93	0.59	1.24	0.69	64.4%

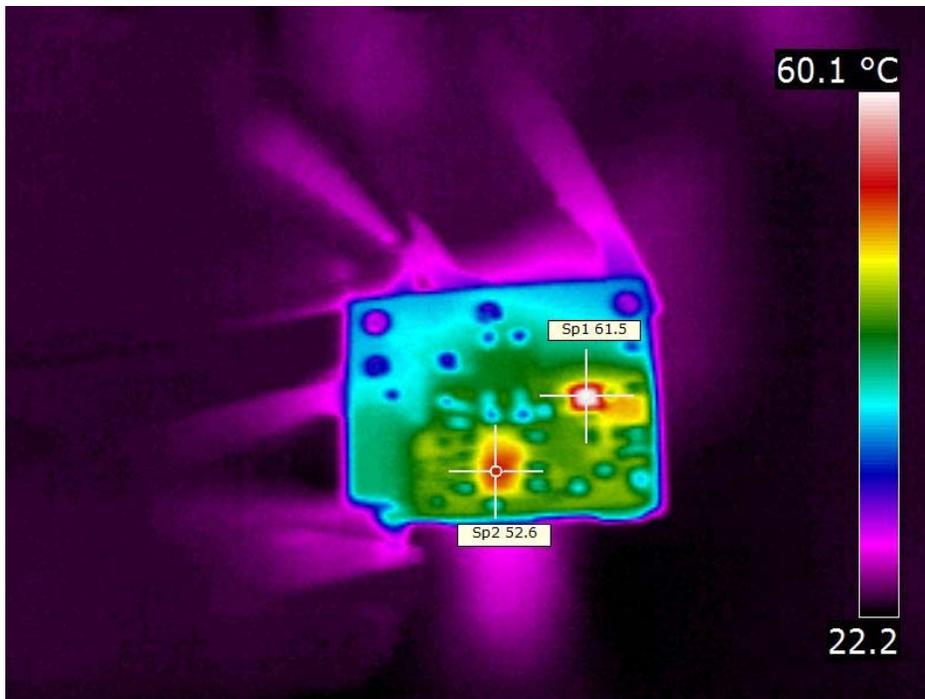
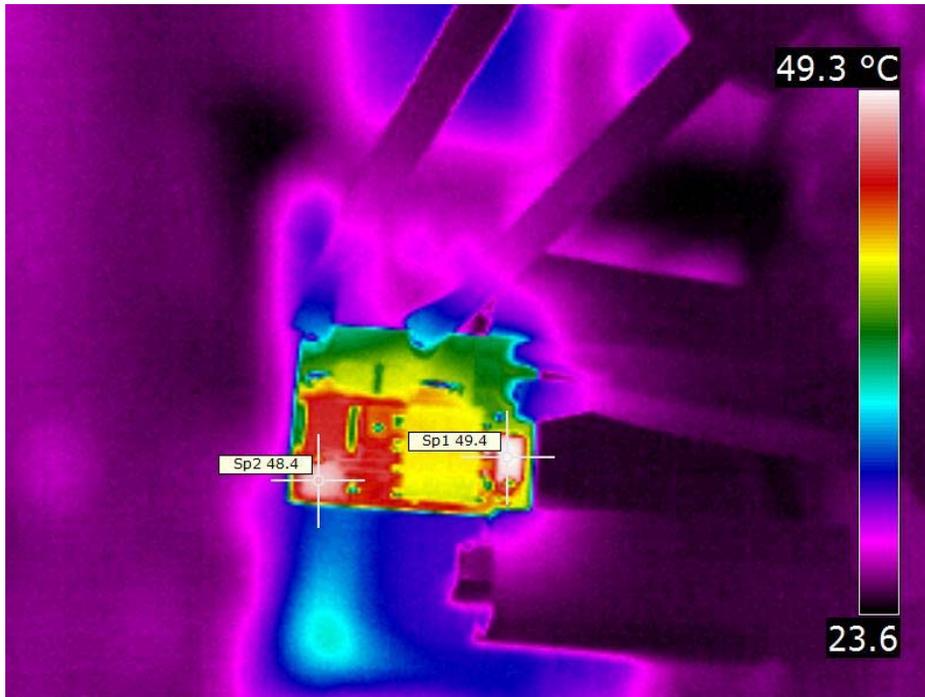
4 Current Limit

A plot of the output voltage versus load current is shown below.



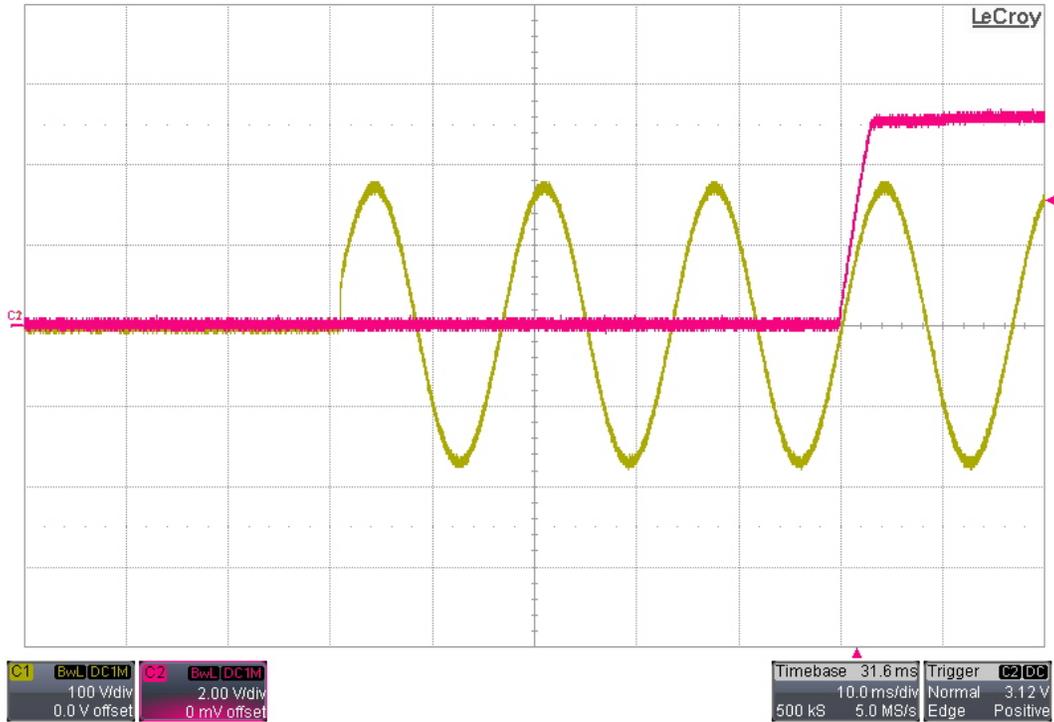
5 Thermal Images

The ambient temperature was 25°C. The output was loaded with 250mA. The input was 115VAC/60Hz.

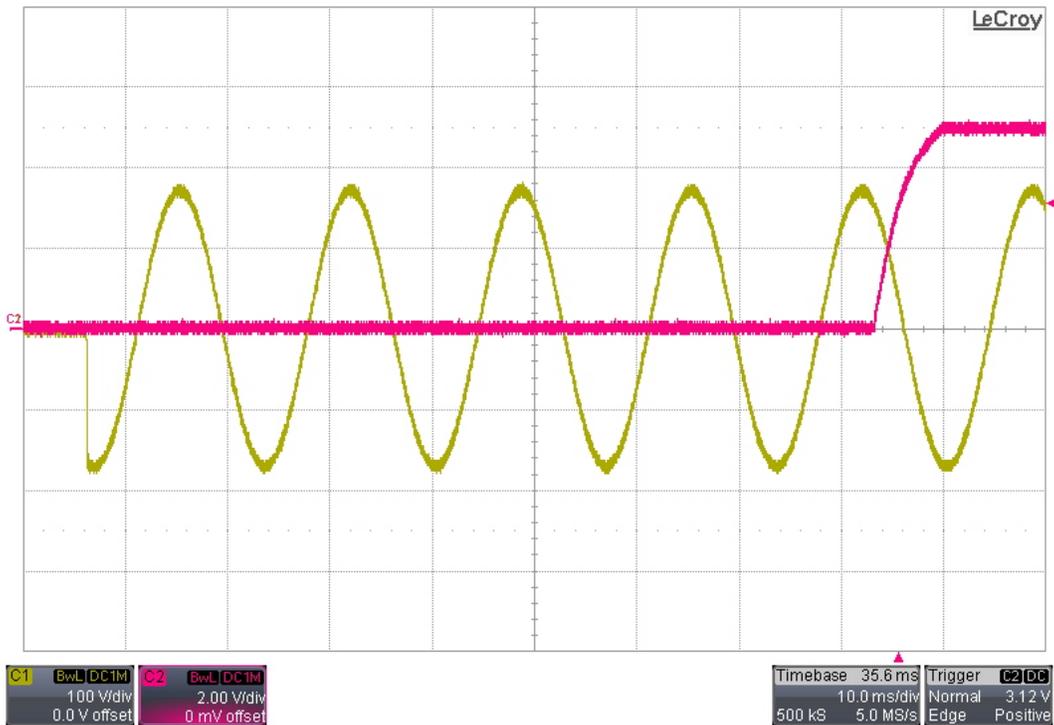


6 Startup

6.1 115VAC/60Hz Startup – 0A Load

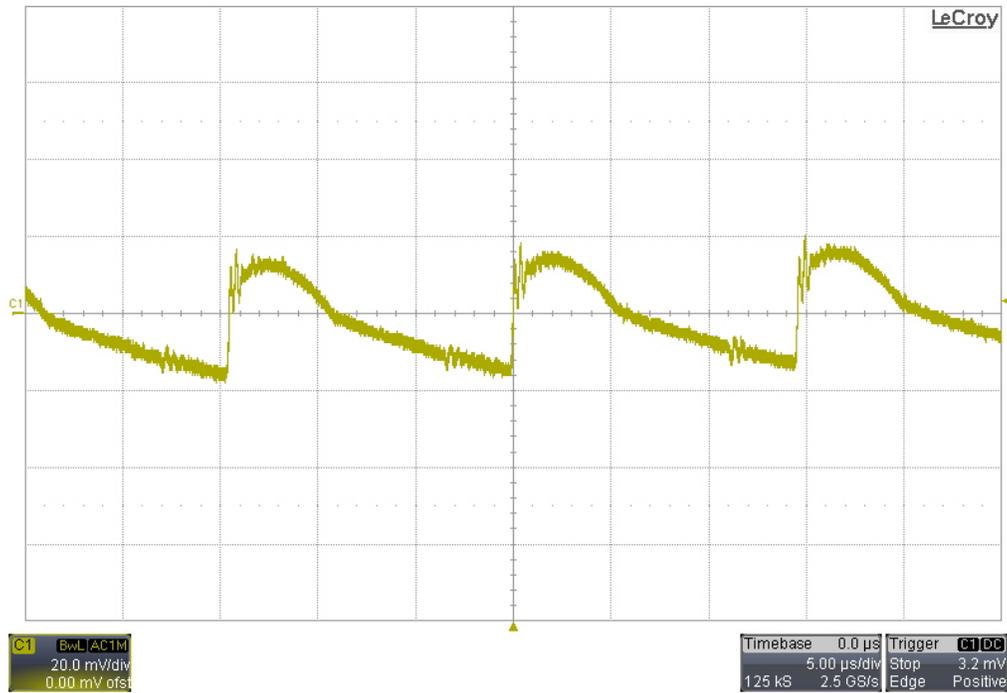


6.2 115VAC/60Hz Startup – 20Ω Load



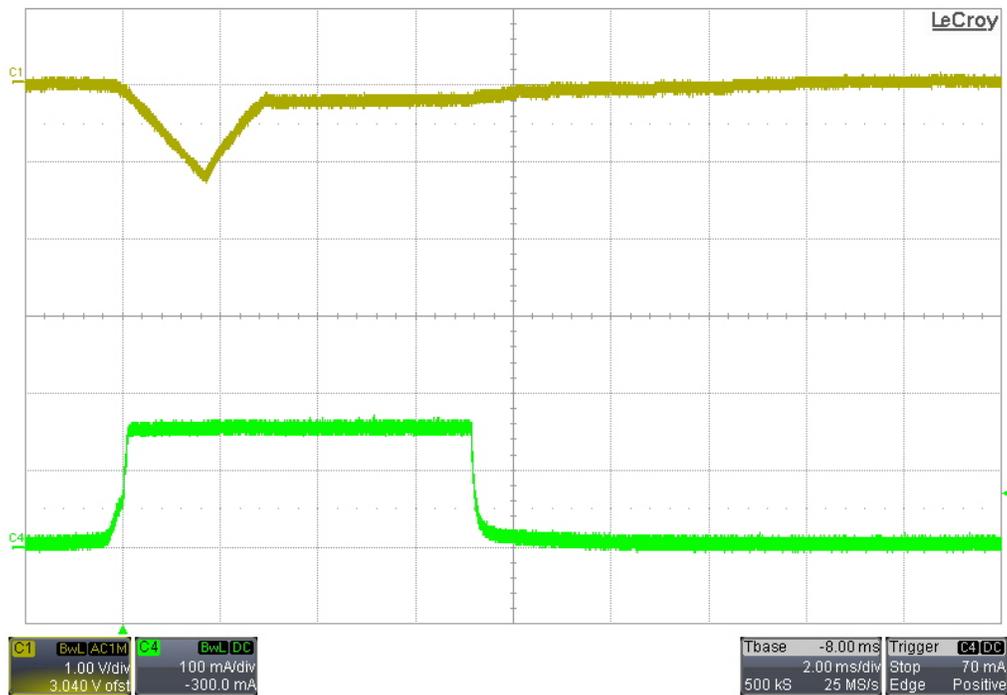
7 Output Ripple Voltage

The output was loaded with 250mA. The input was 115VAC/60Hz.

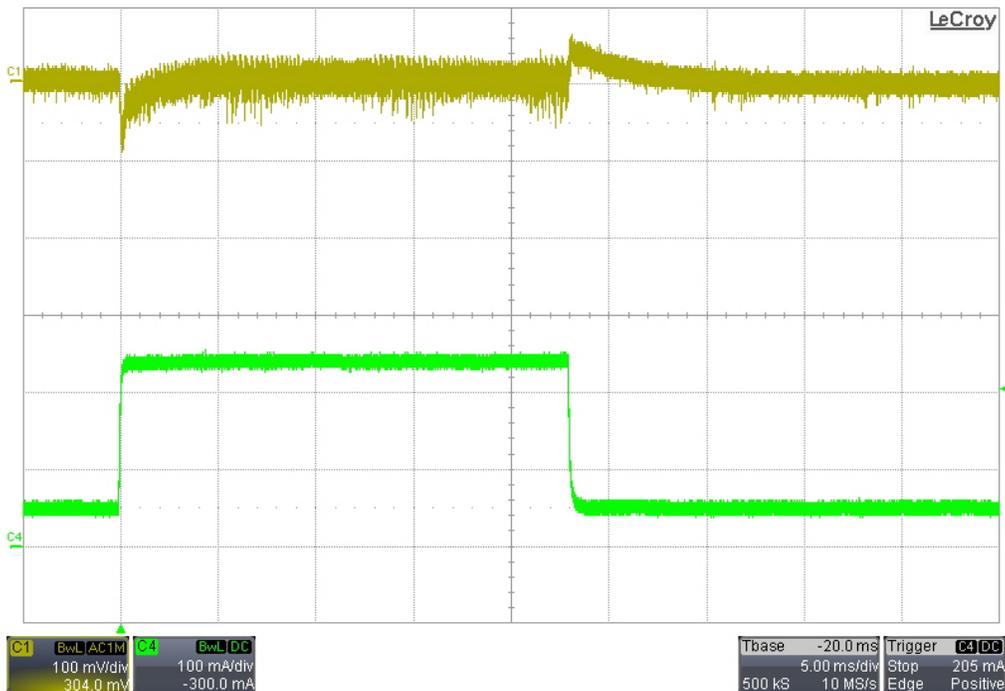


8 Load Transients

8.1 0A to 150mA Transient – 115VAC/60Hz Input



8.2 50mA to 250mA Transient – 115VAC/60Hz Input



9 Switching Waveforms

The images below show the voltage waveforms on the switching devices within the supply. The input was 132VAC/60Hz. The output was loaded 0.25A.

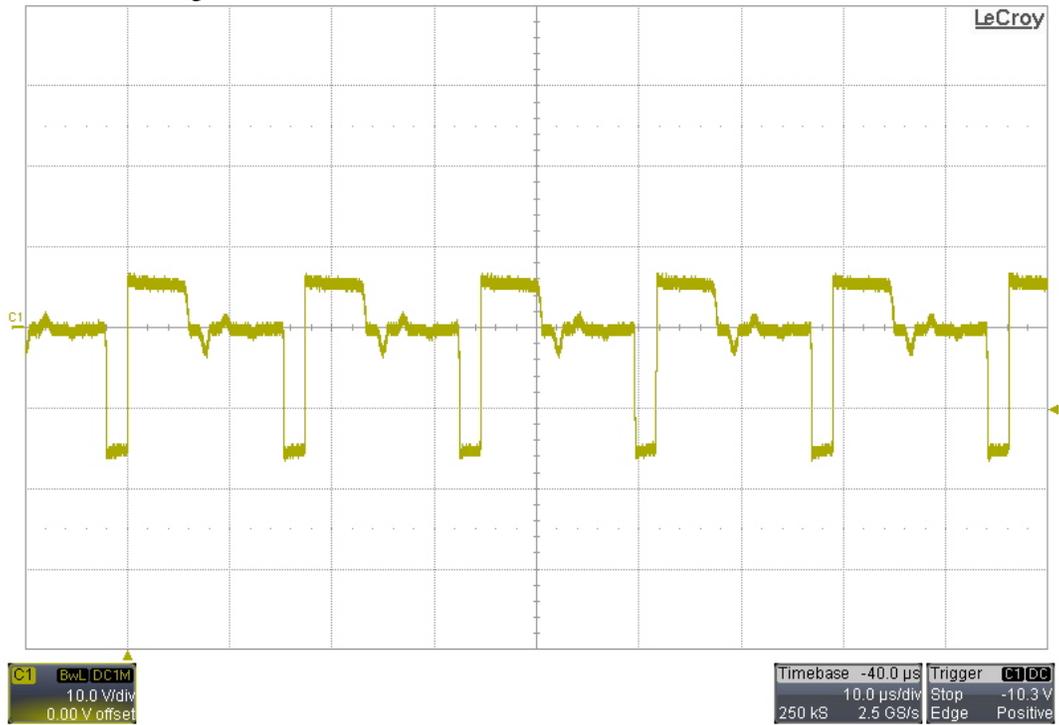
9.1 Primary Waveforms

The image below shows the collector voltage on Q1.



9.2 Secondary Waveforms

The image below shows the voltage on the anode of D4.



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