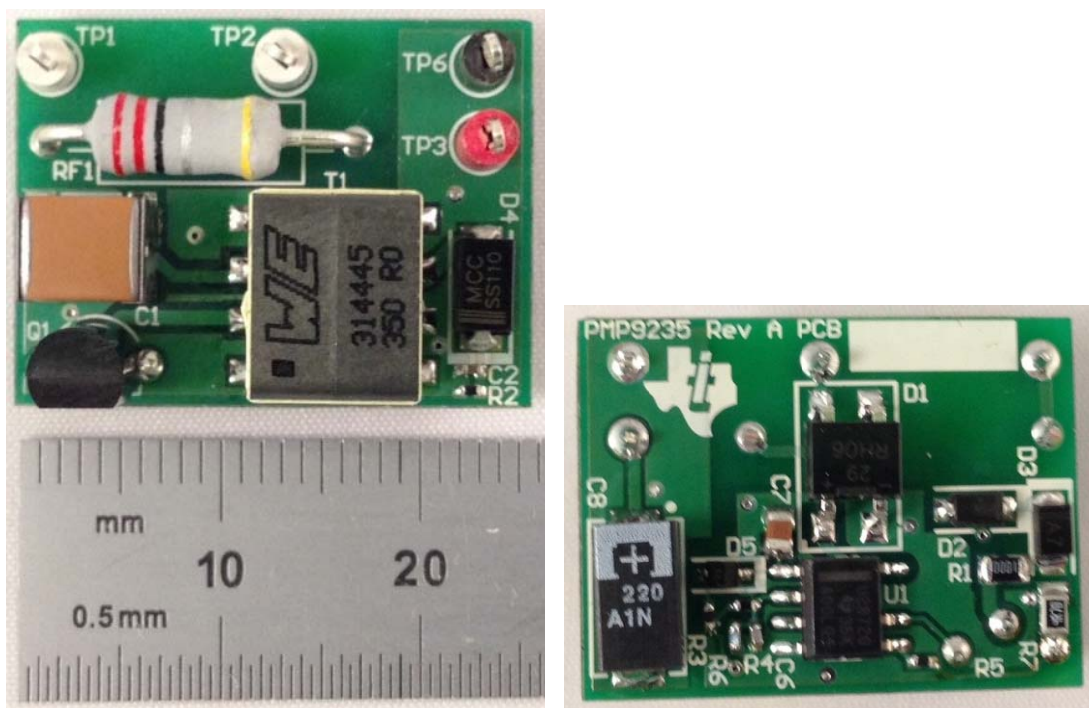


## 1 Photos

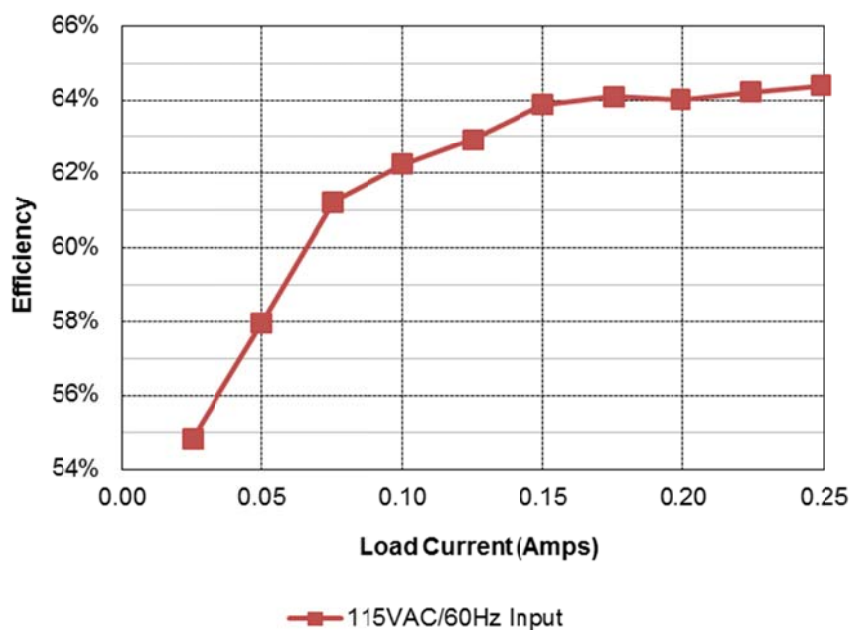
The photographs below show the PMP9235 Rev A prototype assembly.



## 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.

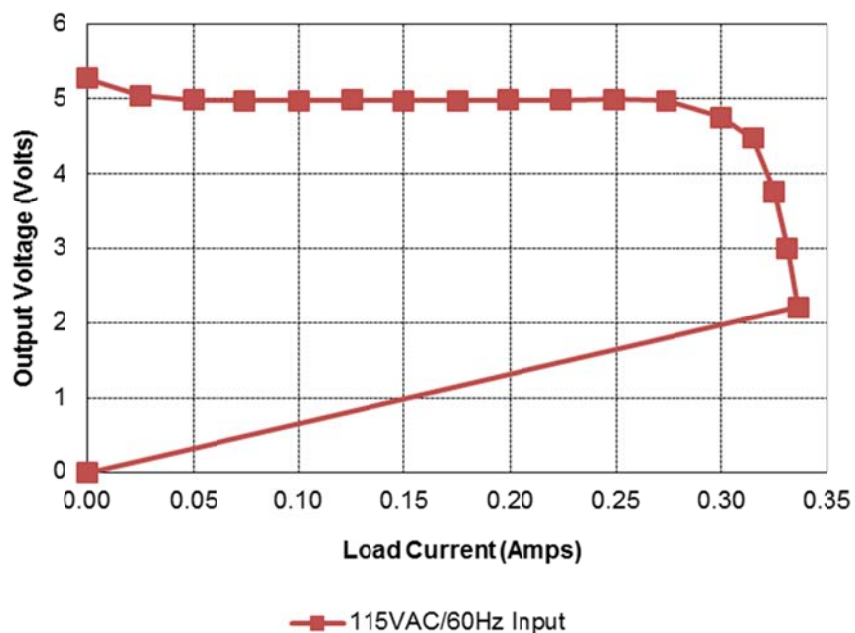
## 3 Efficiency



I <sub>out</sub>	V <sub>out</sub>	V <sub>in</sub>	I <sub>in</sub>	P <sub>in</sub>	PF	P <sub>out</sub>	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%

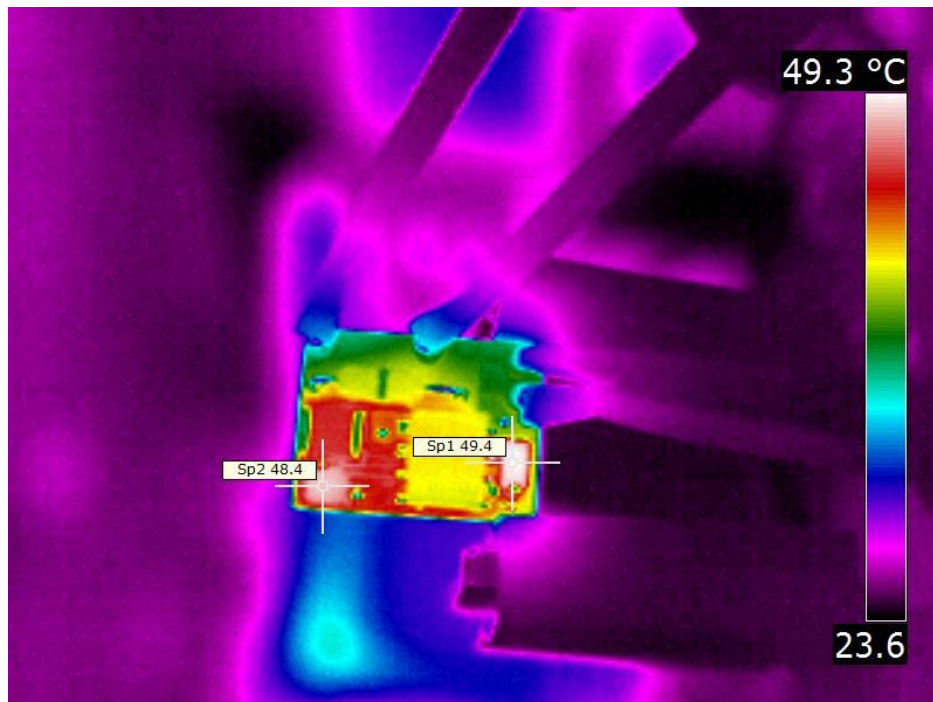
## 4 Current Limit

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



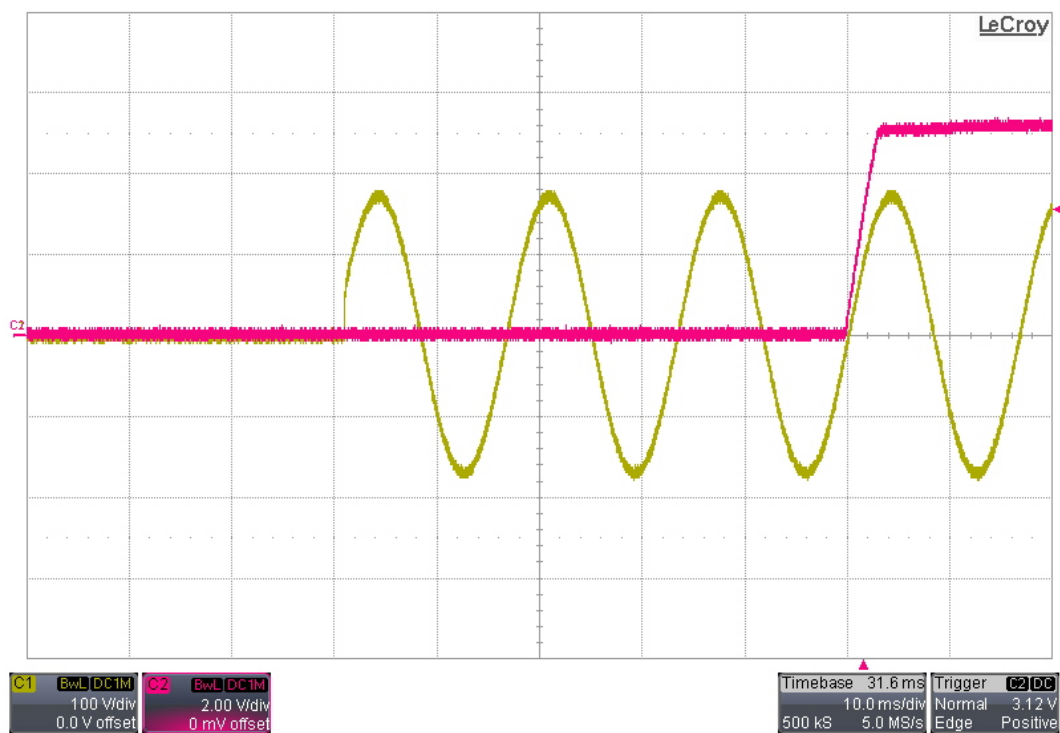
## 5 Thermal Images

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

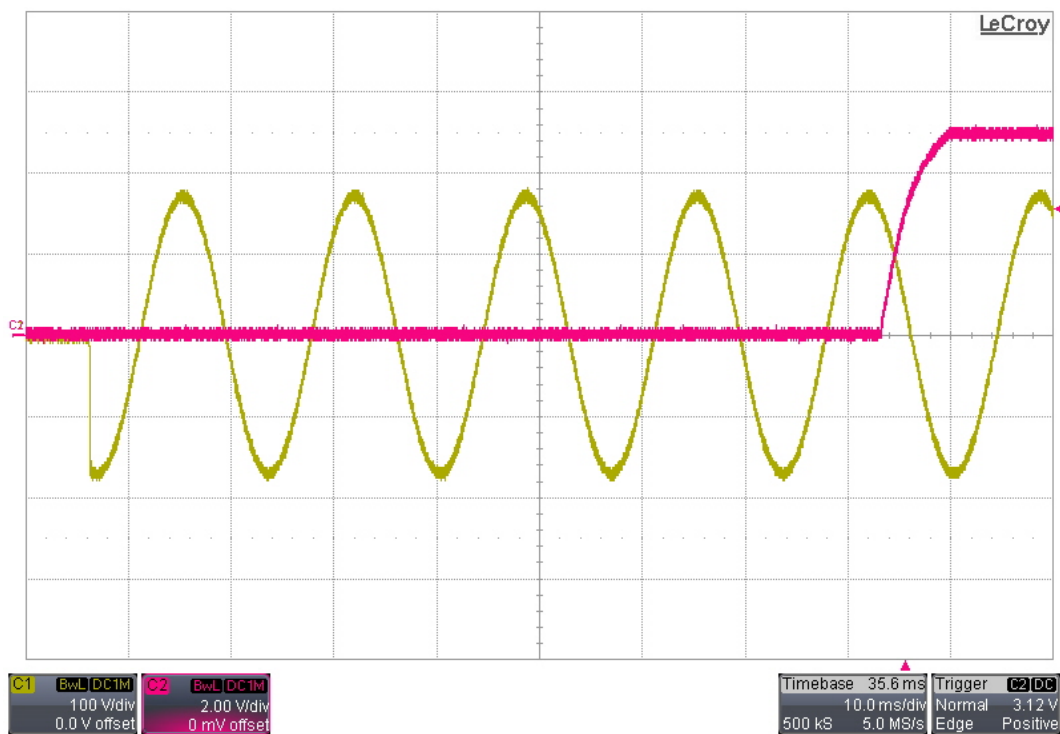


## 6 Startup

### 6.1 115VAC/60Hz Startup – 0A Load

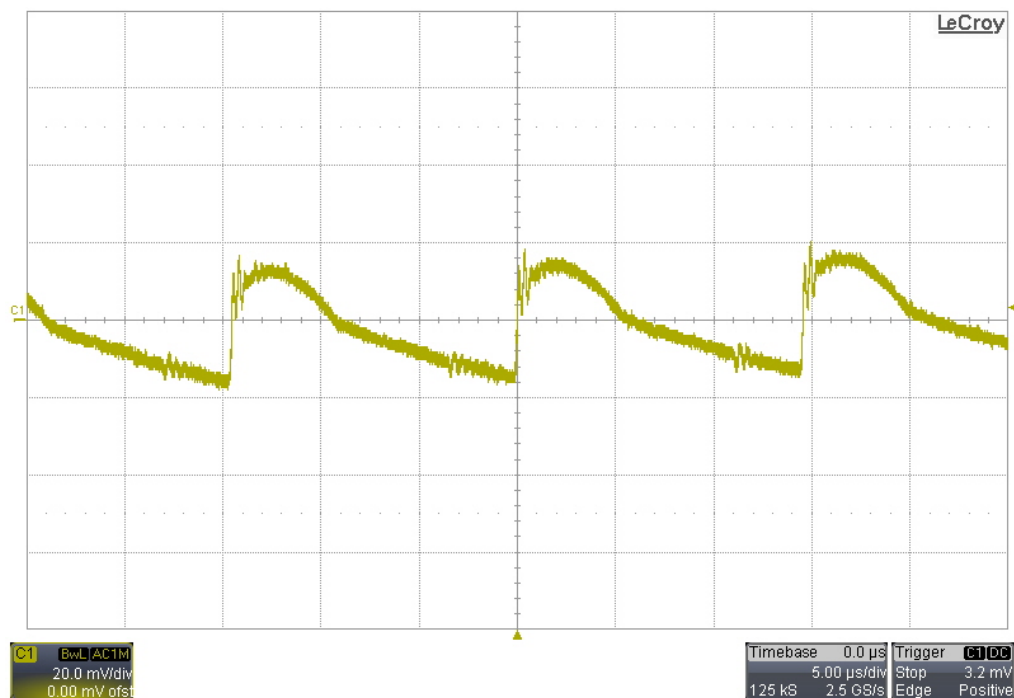


### 6.2 115VAC/60Hz Startup – 20Ω Load



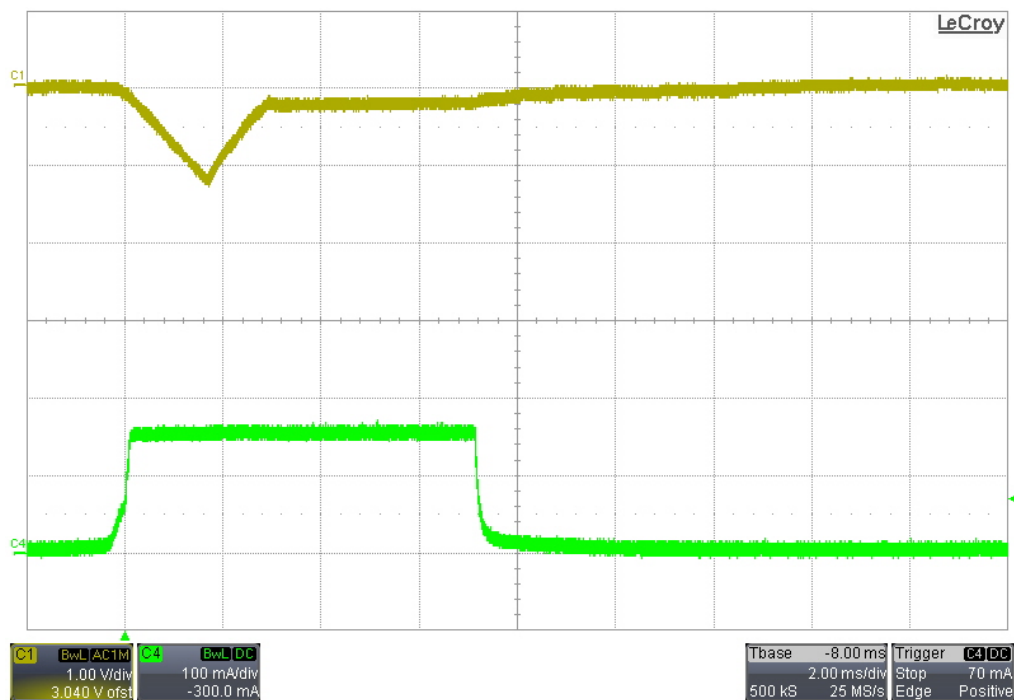
## 7 Output Ripple Voltage

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

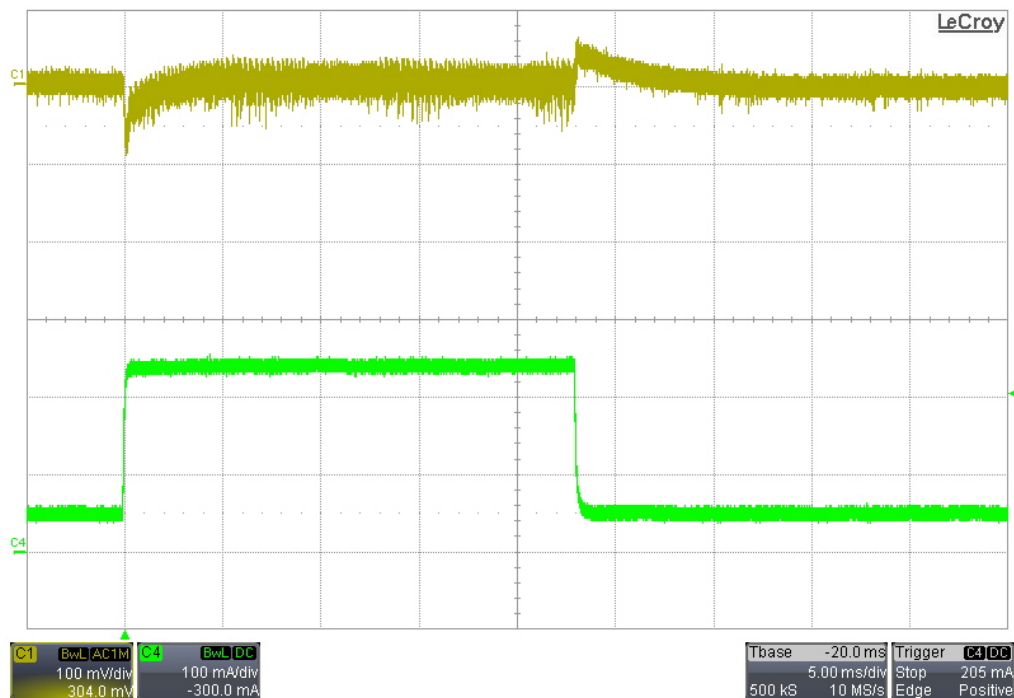


## 8 Load Transients

### 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.

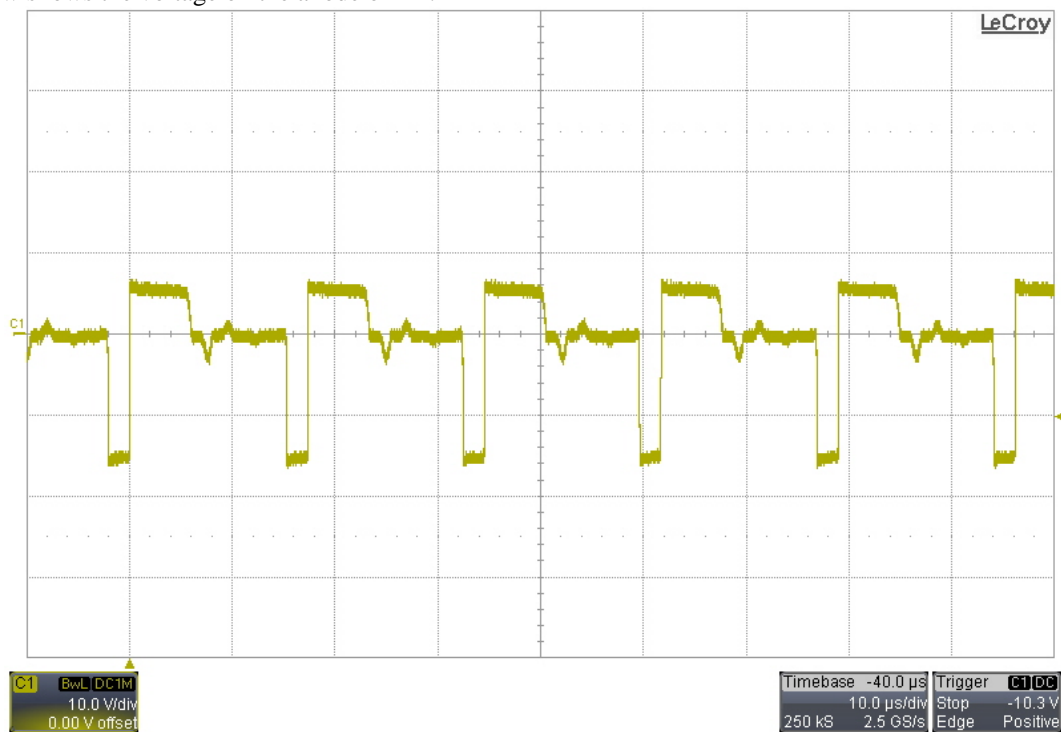
### 9.1 Primary Waveforms

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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