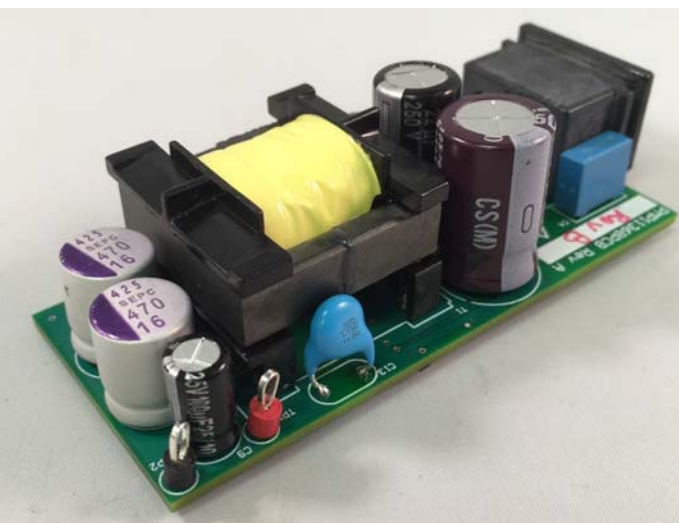
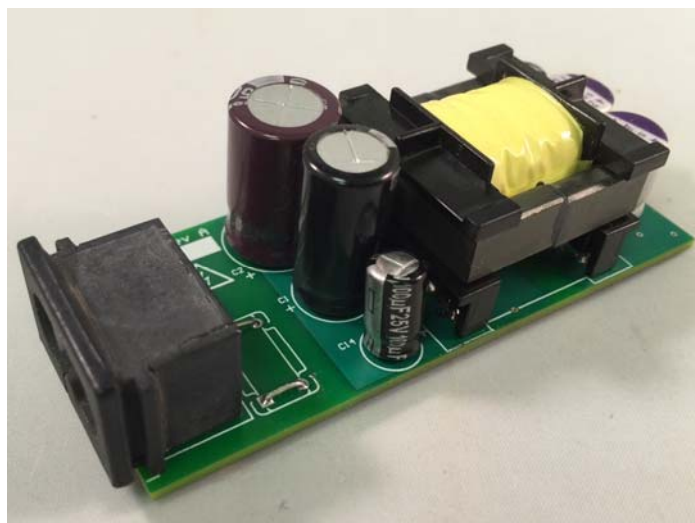
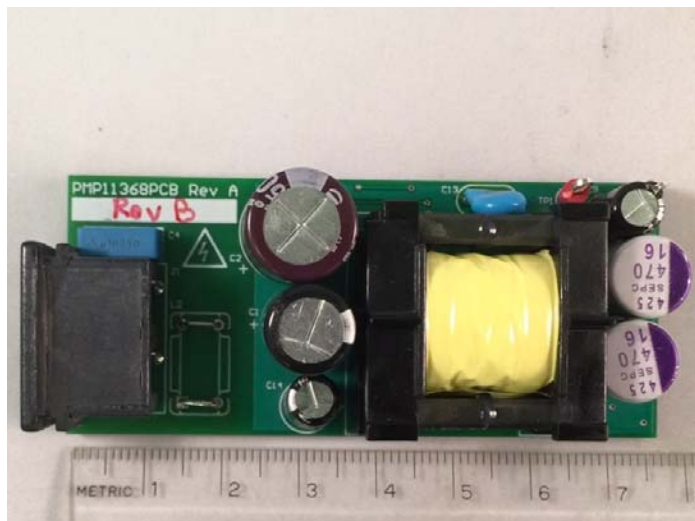


## 1 Photos

The photographs below show the PMP11368 Rev B prototype assembly. This circuit was built using a PMP11368 Rev A PCB.

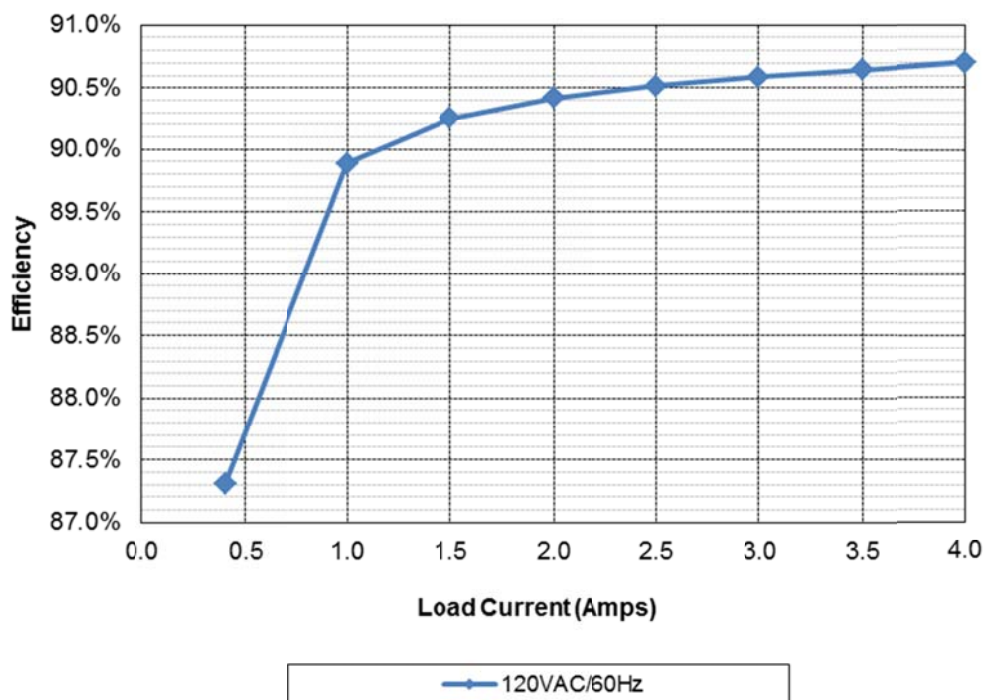


## 2 Standby Power (No Load)

Input Voltage	Input Power
120VAC/60Hz	105.3mW

### 3 Efficiency

#### 3.1 Chart



#### 3.2 Average Efficiency

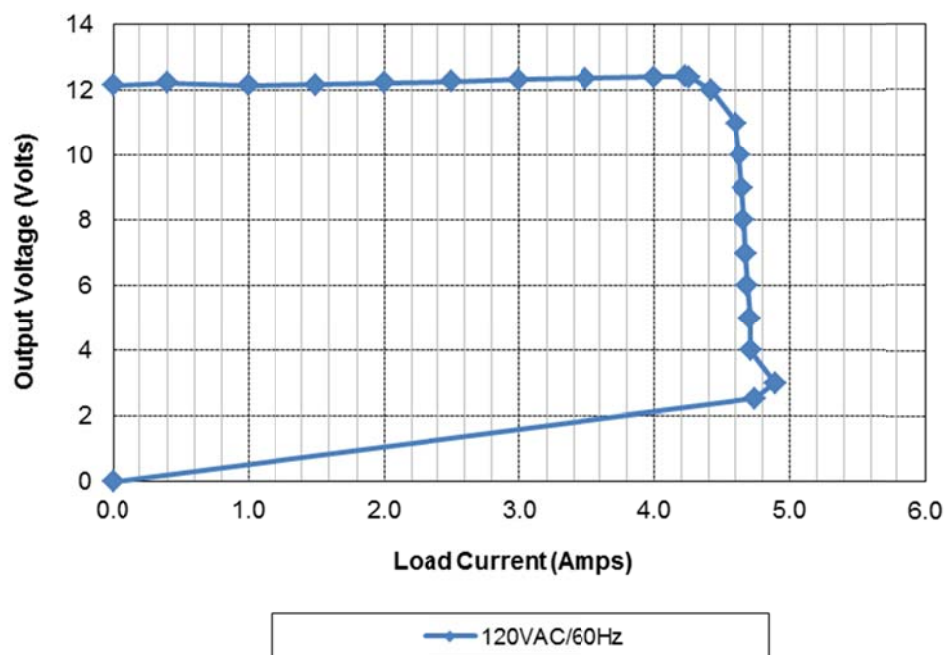
Vin	Pin	Vout	Iout	Load	Efficiency	Avg. Eff.
<b>120VAC/60Hz</b>	5.63	12.22	0.402	10%	87.30%	<b>90.40%</b>
	13.52	12.15	1.000	25%	89.89%	
	27.03	12.22	2.000	50%	90.42%	
	40.80	12.32	3.000	75%	90.59%	
	54.73	12.41	4.000	100%	90.70%	

#### 3.3 Efficiency Data

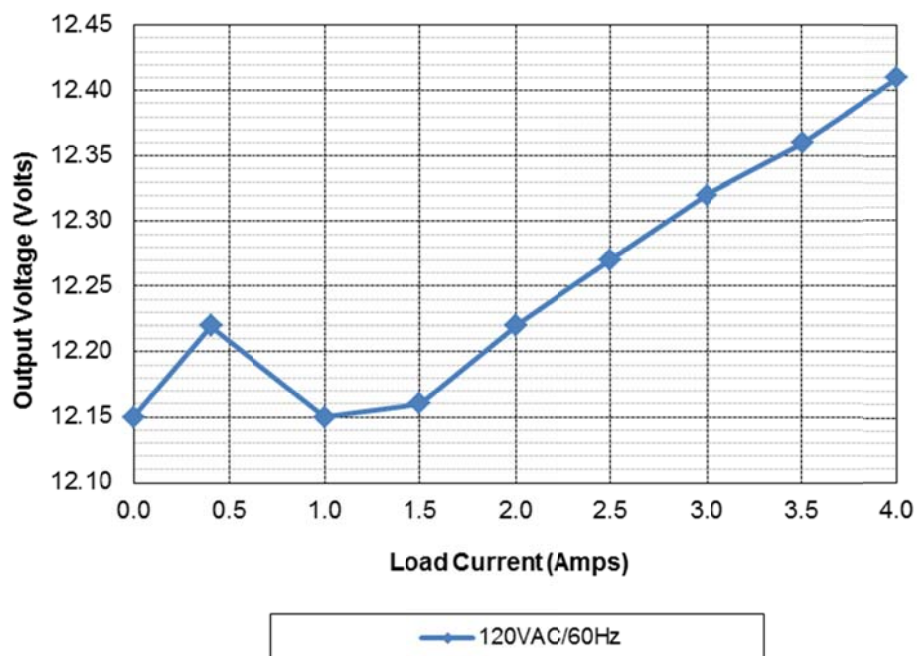
Iout	Vout	Vin	Iin	Pin	PF	Pout	Losses	Efficiency
0.000	12.15	120.0	0.00698	0.1053		0.00	0.1053	0.0%
0.402	12.22	120.0	0.1457	5.627	0.322	4.91	0.71	87.3%
1.000	12.15	120.0	0.305	13.517	0.369	12.15	1.37	89.9%
1.500	12.16	120.0	0.408	20.21	0.413	18.24	1.97	90.3%
2.000	12.22	120.0	0.509	27.03	0.443	24.44	2.59	90.4%
2.500	12.27	120.0	0.608	33.89	0.465	30.68	3.22	90.5%
3.000	12.32	120.0	0.703	40.80	0.484	36.96	3.84	90.6%
3.501	12.36	120.0	0.795	47.74	0.501	43.27	4.47	90.6%
4.000	12.41	120.0	0.887	54.73	0.515	49.64	5.09	90.7%

## 4 Regulation

### 4.1 V-I Curve

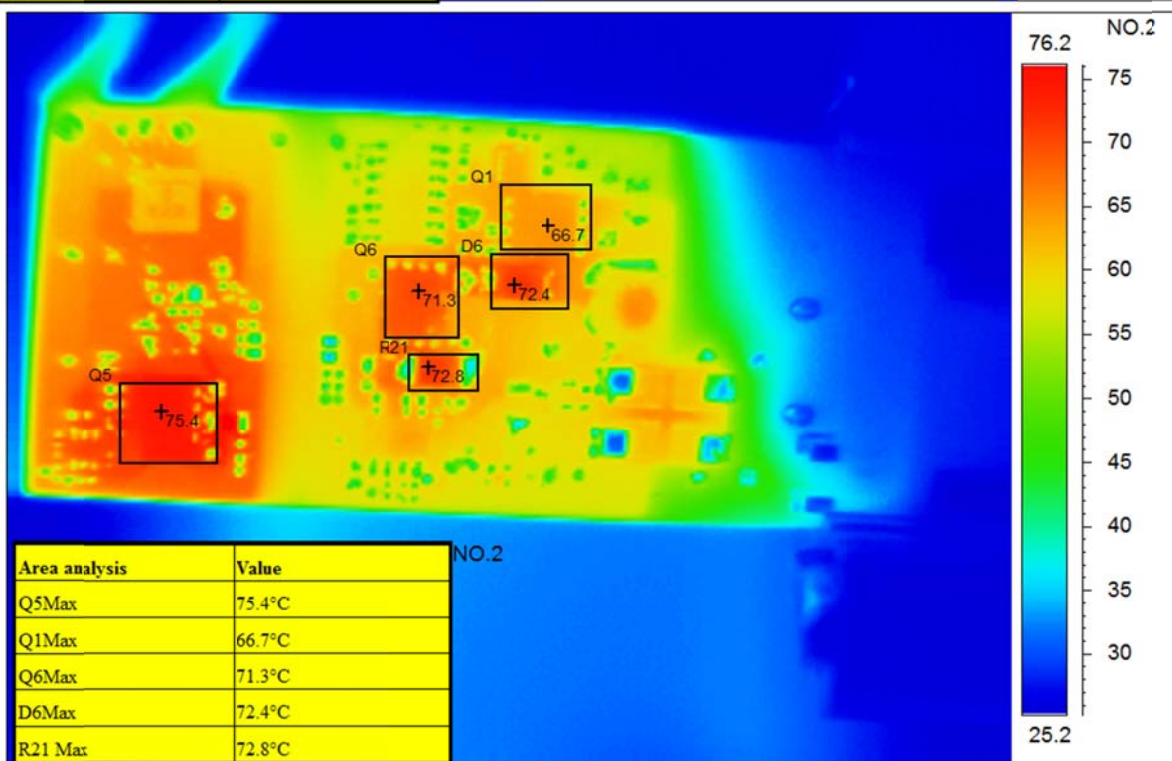
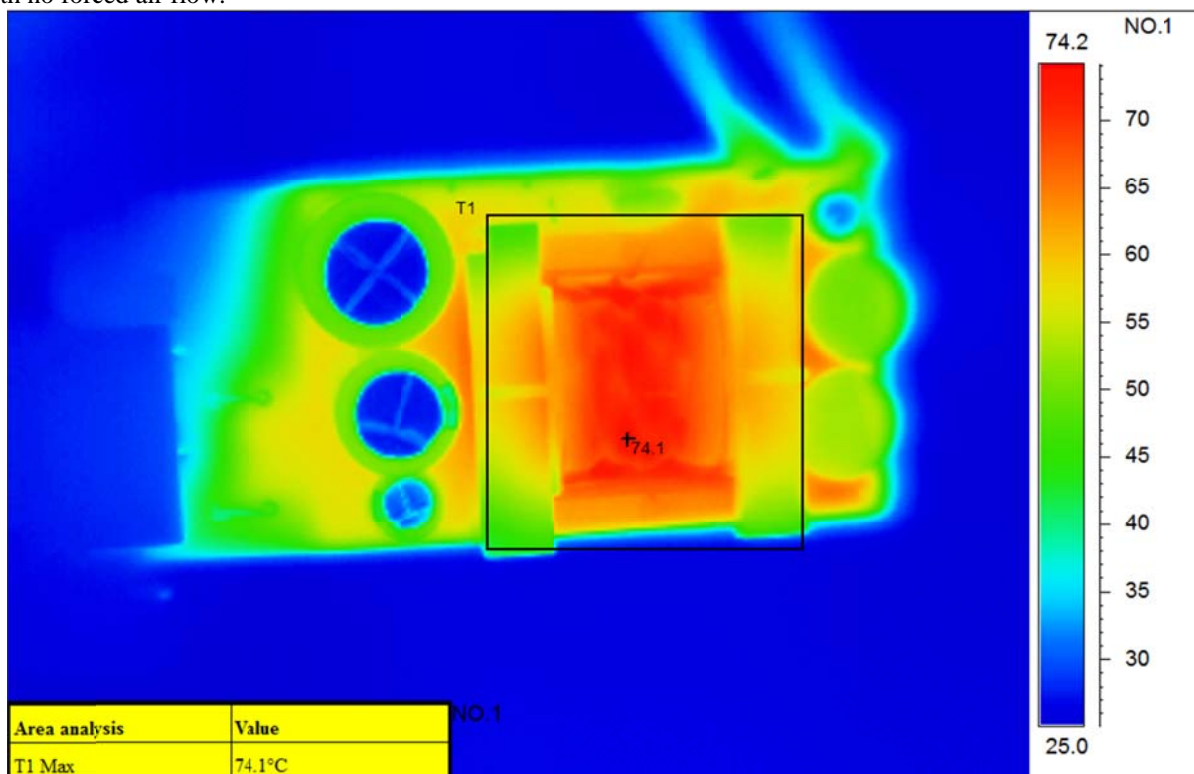


### 4.2 CV Mode



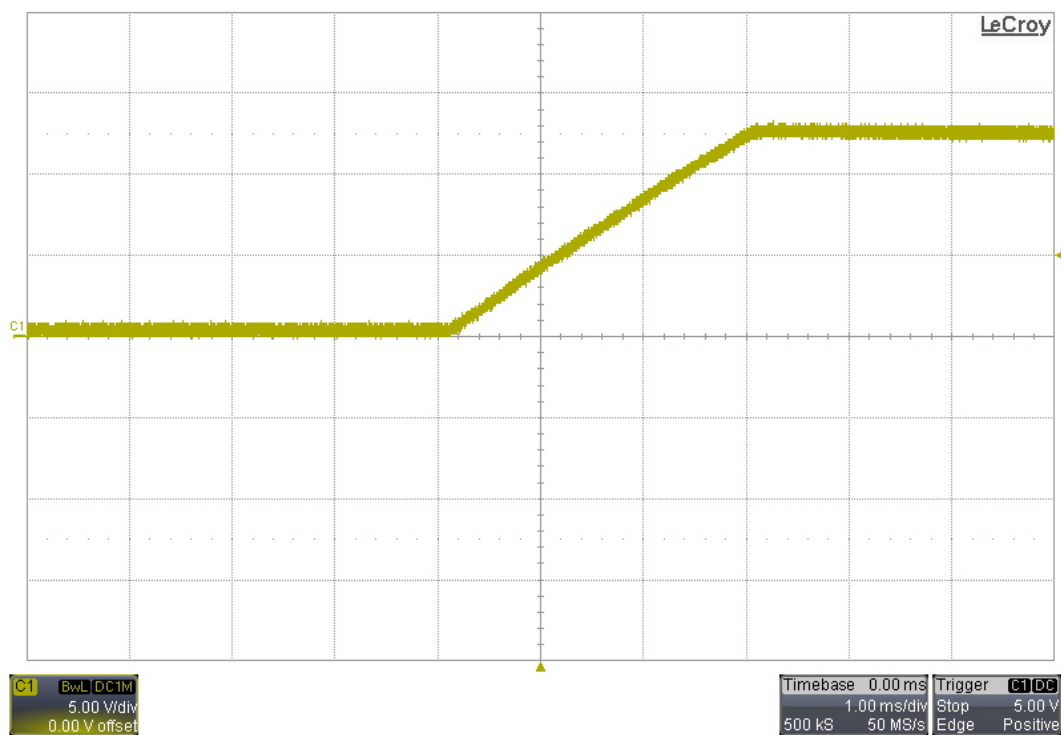
## 5 Thermal Images

The thermal images below show the assembly with loaded with 4A with a 120VAC/60Hz input. The ambient temperature was 25°C, with no forced air flow.

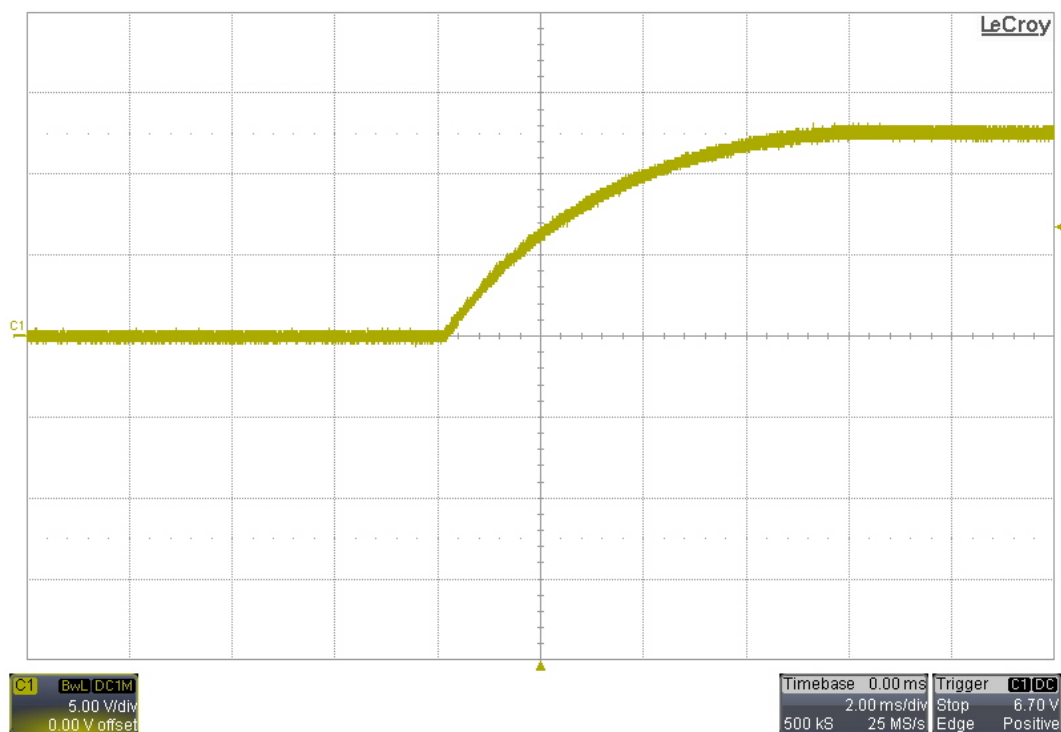


## 6 Startup

### 6.1 120VAC/60Hz –0A Load



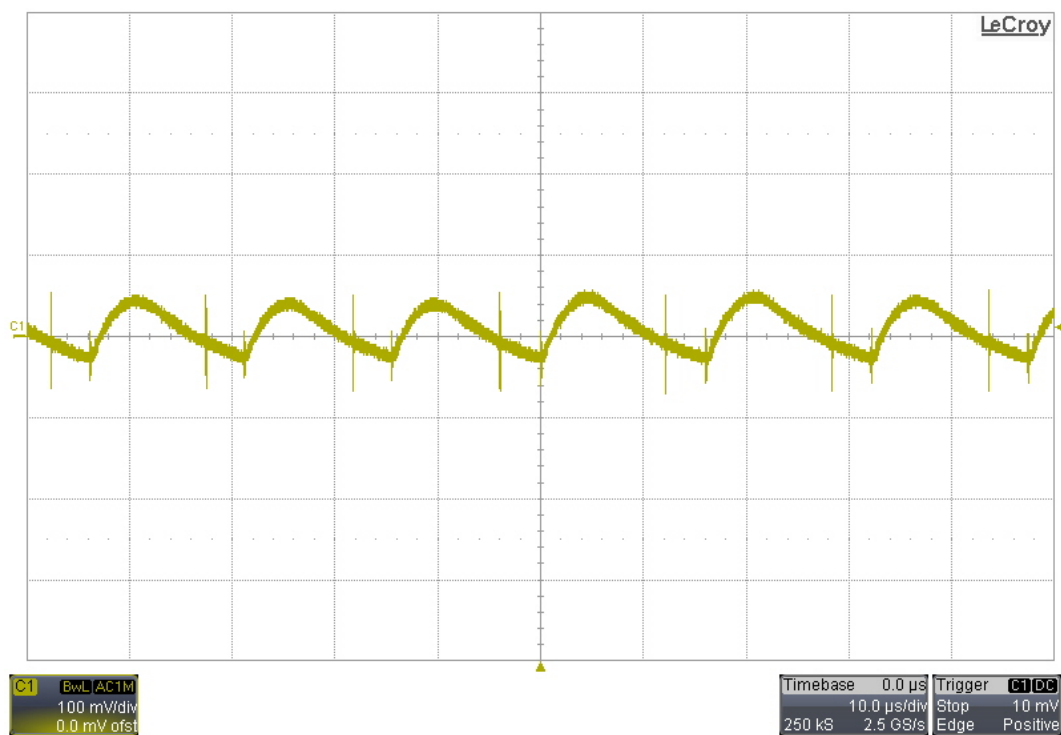
### 6.2 120VAC/60Hz –3Ω Load





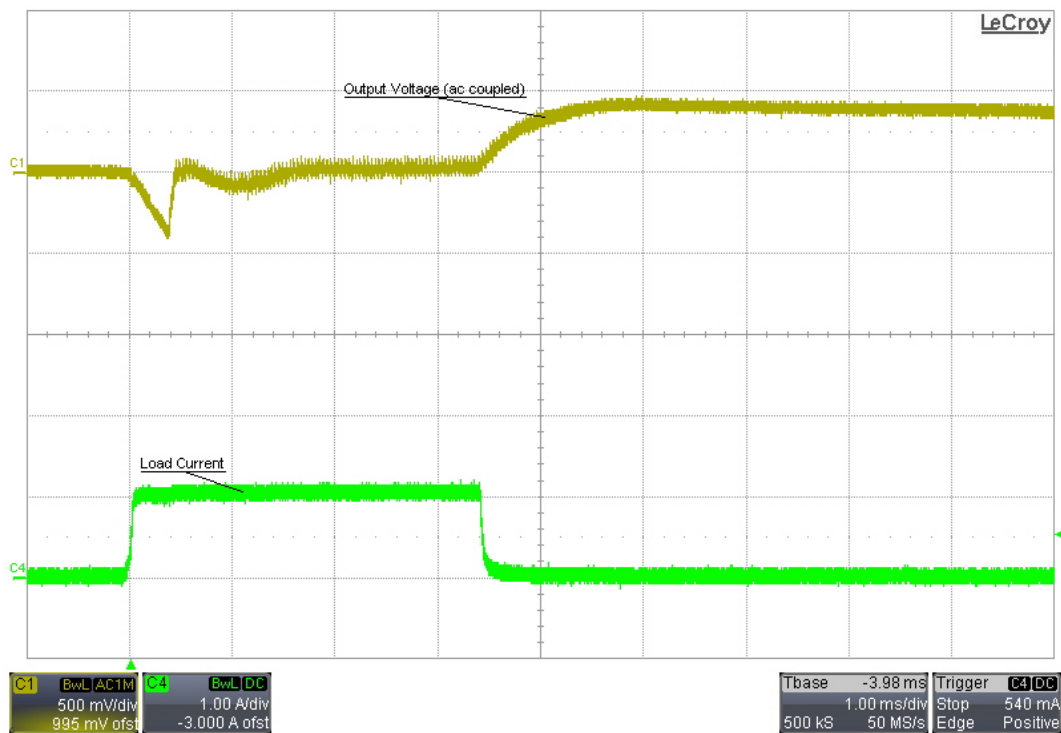
## 7 Output Ripple Voltage

### 7.1 120VAC/60Hz –4A Load

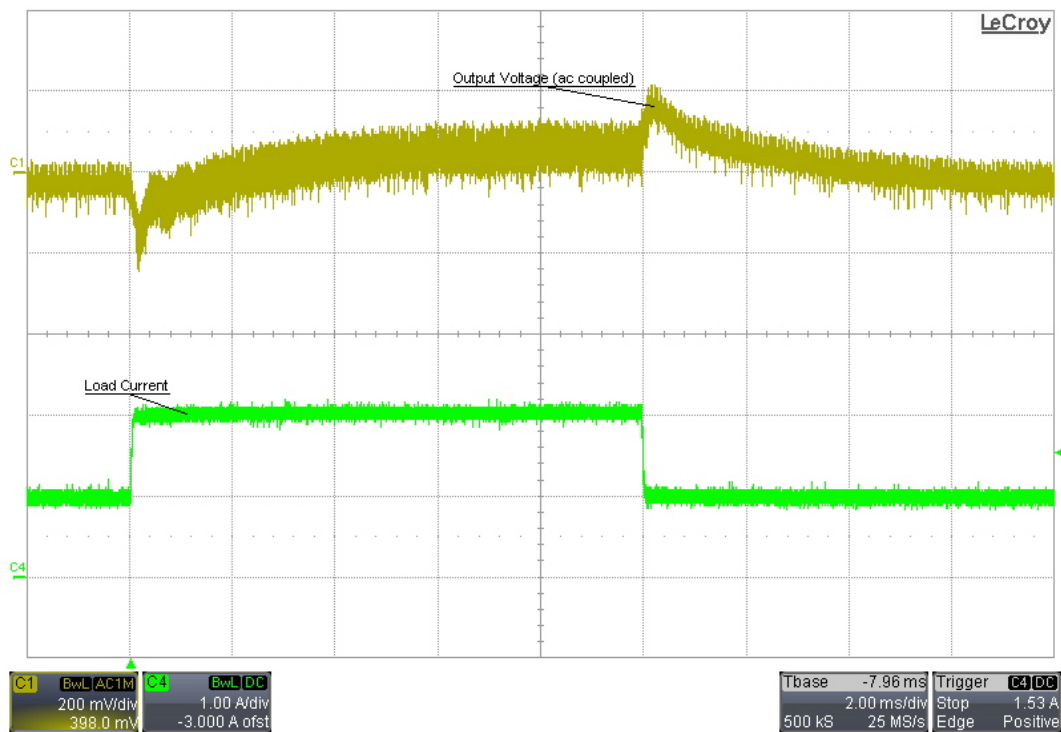


## 8 Load Transients

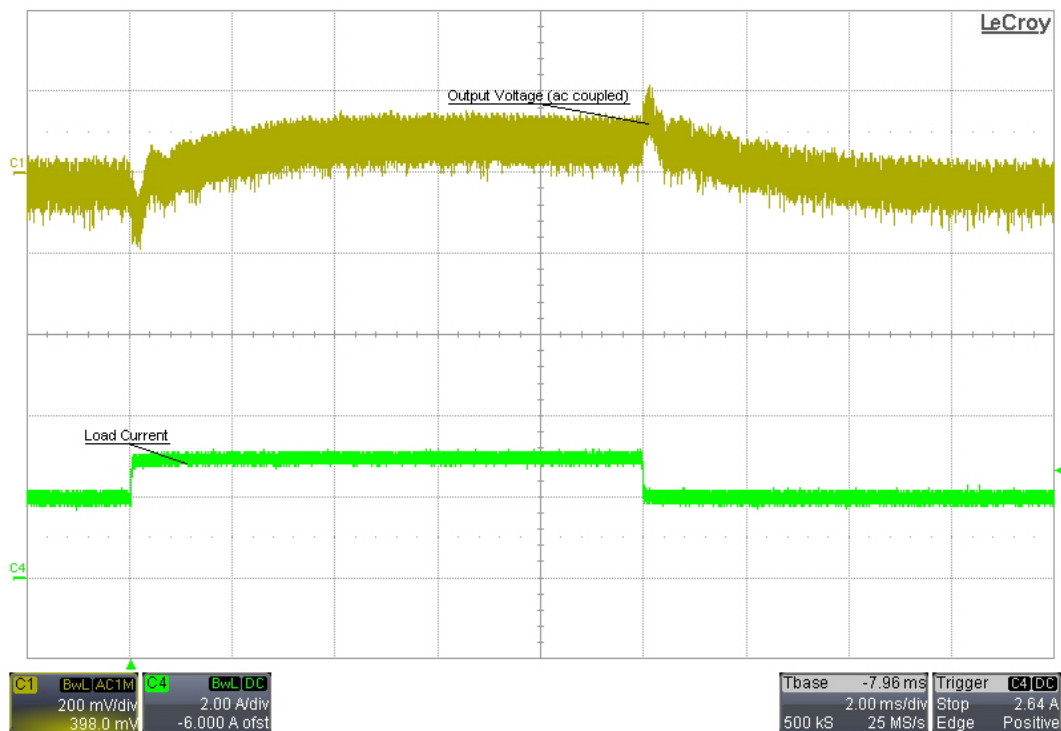
### 8.1 0% to 25% Transient; 120VAC/60Hz Input



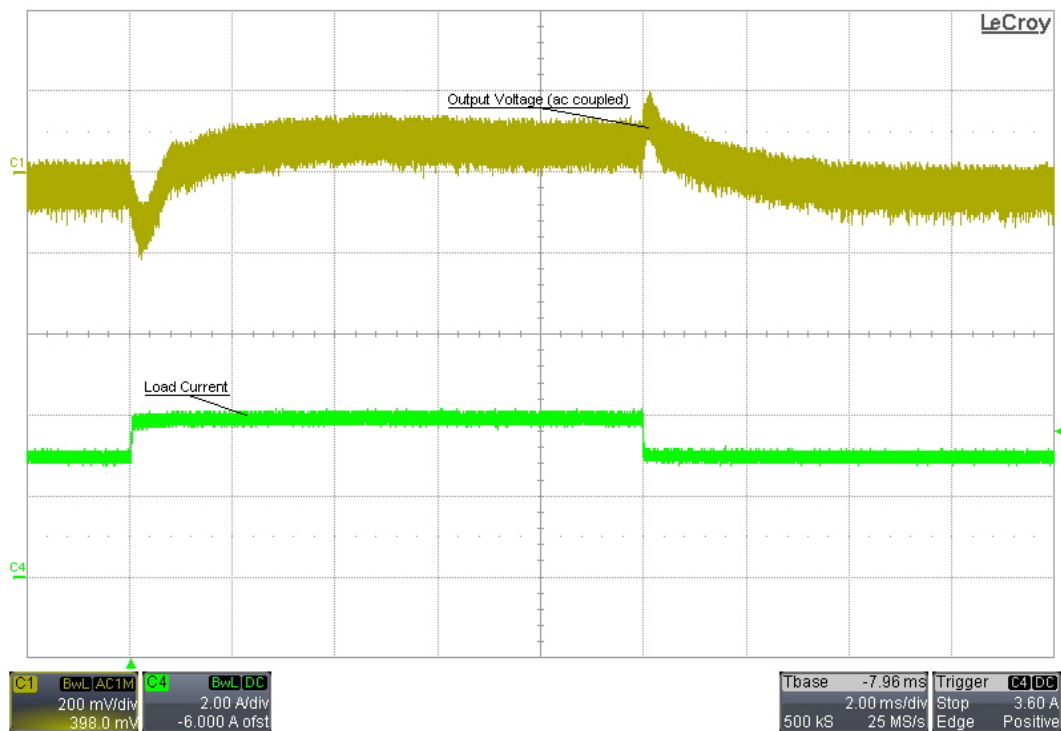
### 8.2 25% to 50% Transient; 120VAC/60Hz Input



### 8.3 50% to 75% Transient; 120VAC/60Hz Input



### 8.4 75% to 100% Transient; 120VAC/60Hz Input

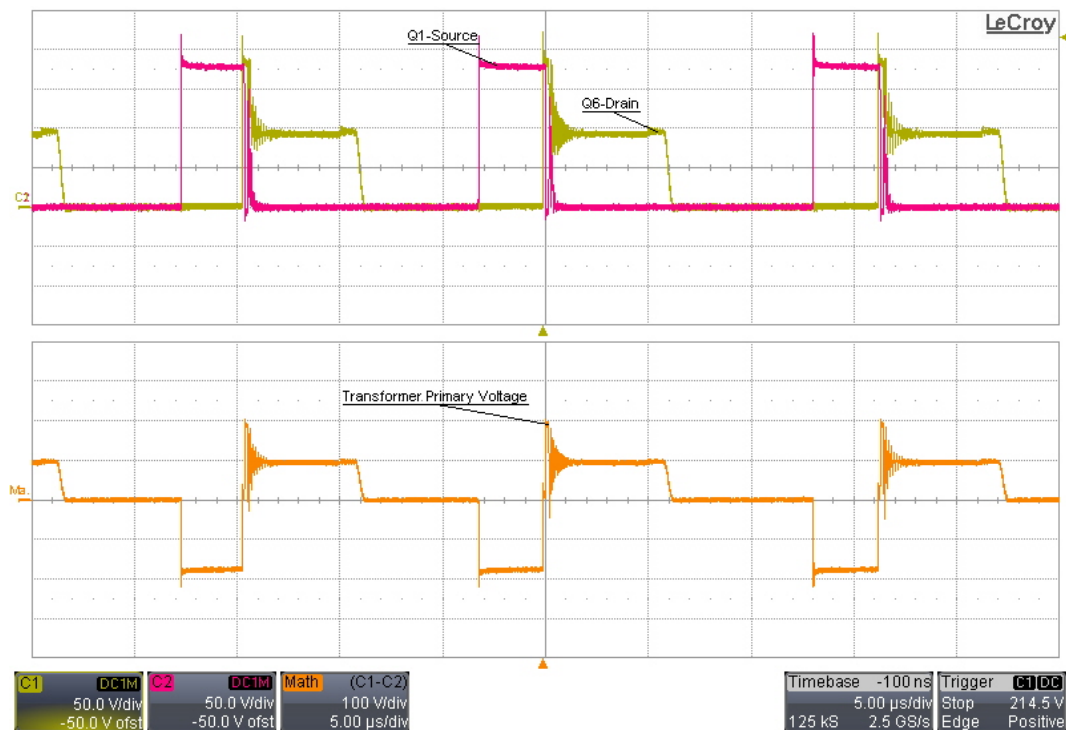




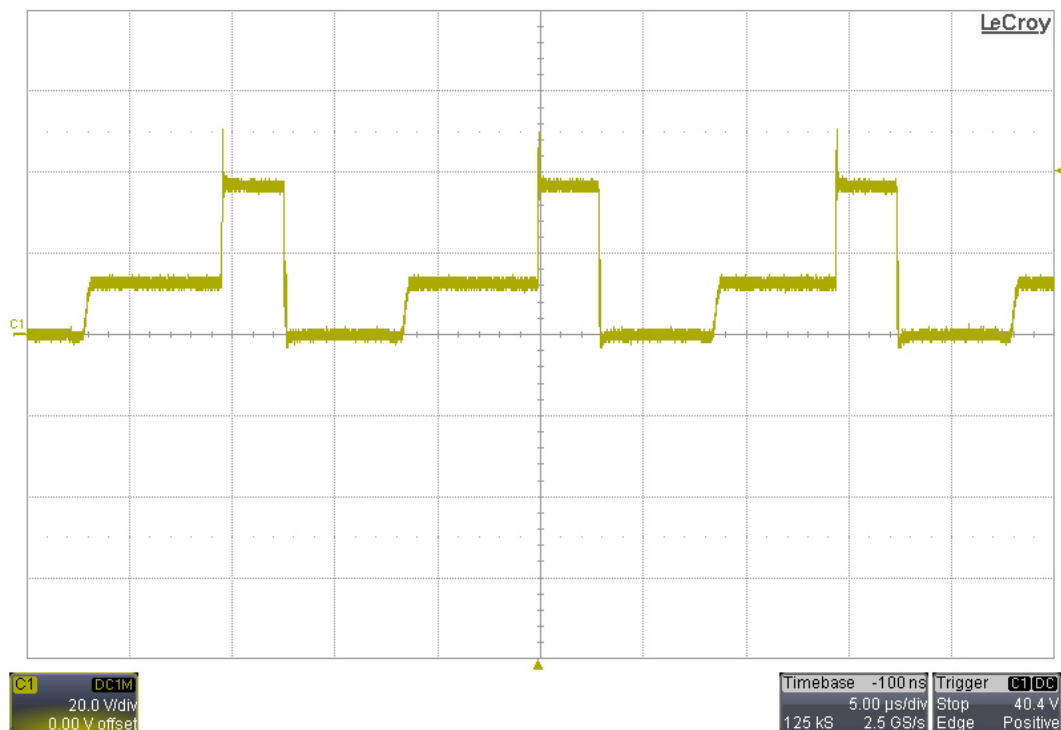
## 9 Switching Waveforms

The input was 130VAC/60Hz, and the output was loaded with 4A.

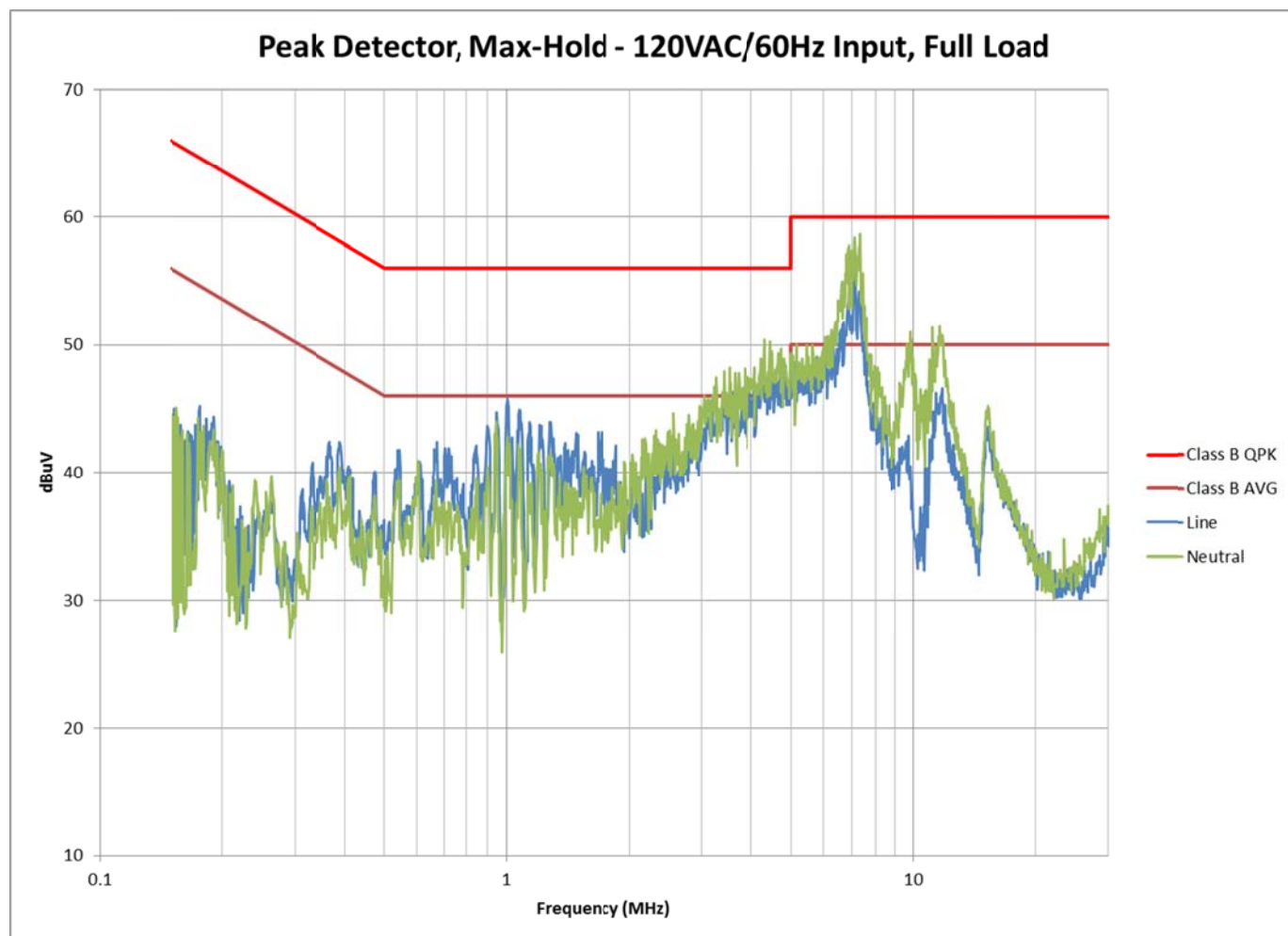
### 9.1 Primary-side Waveforms



### 9.2 Drain of Synchronous Rectifier – Q5



## 10 Conducted Emissions



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