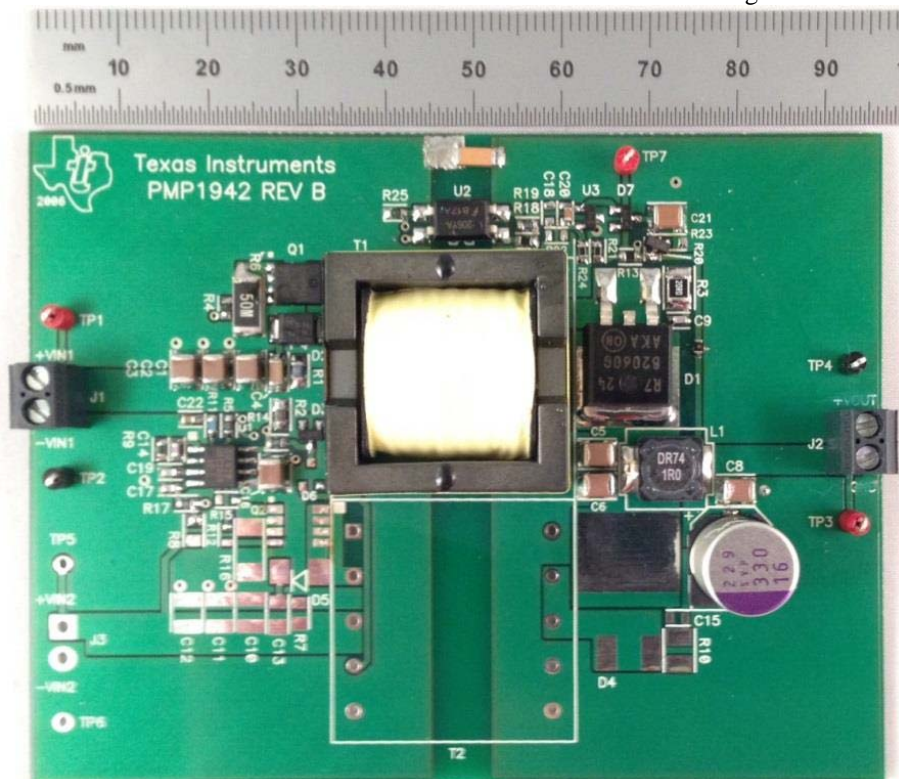


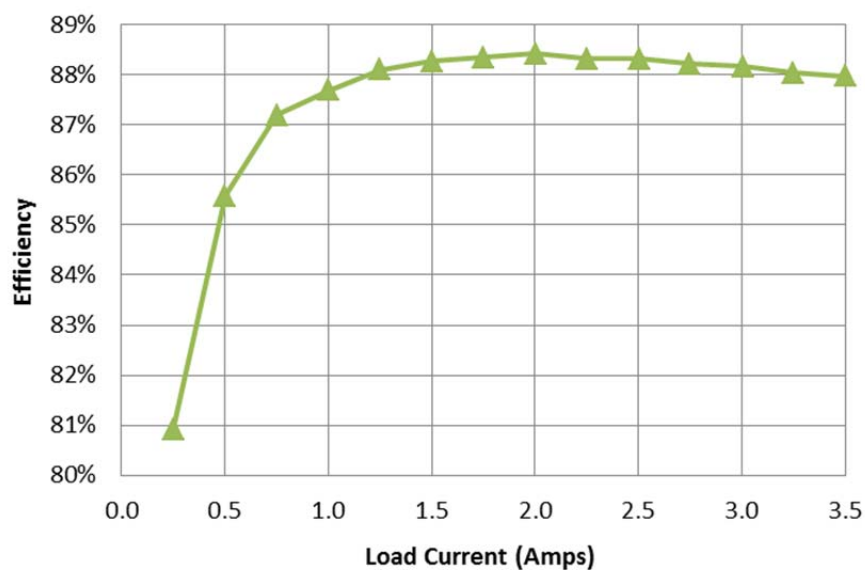
## 1 Photo

The photograph below shows the PMP2829 Rev B demo board. This circuit was built using a PMP1942 Rev B PCB.



## 2 Efficiency

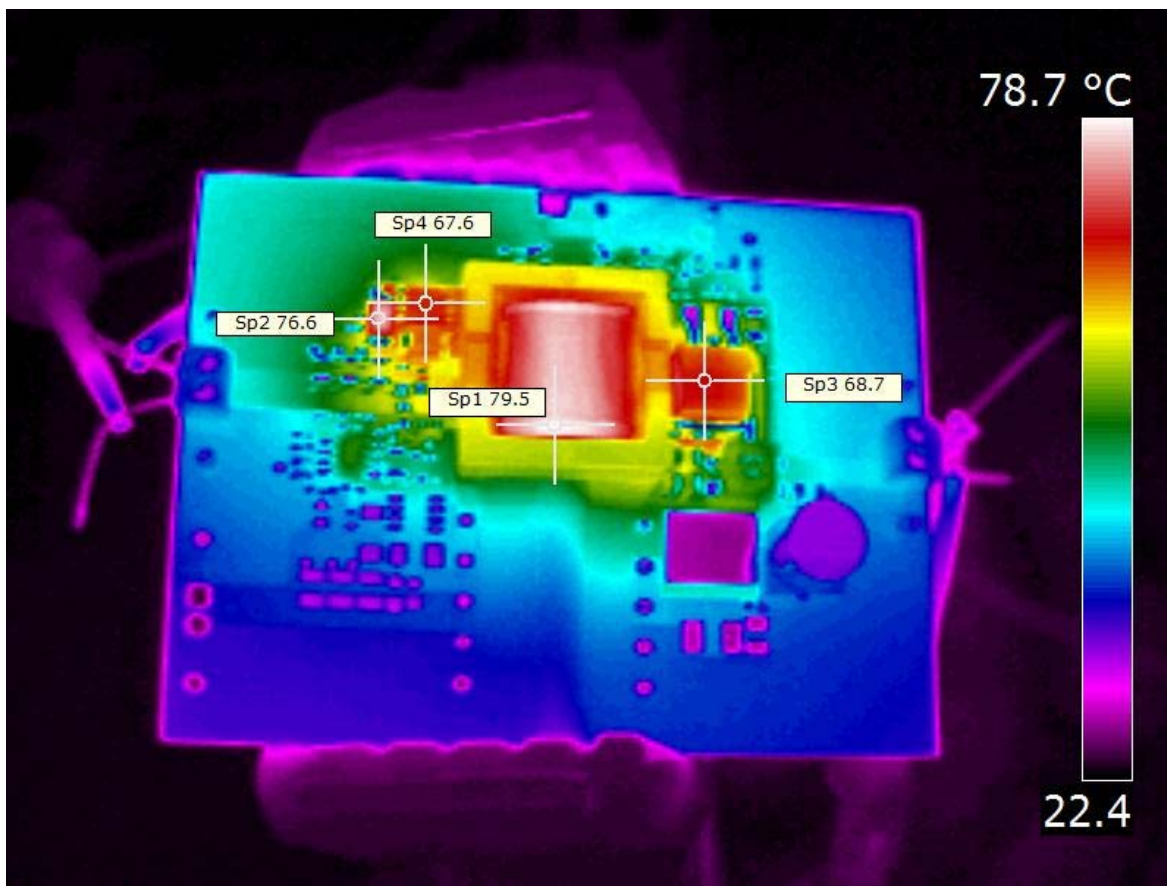
The efficiency data is shown in the table and graph below.



I <sub>out</sub>	V <sub>out</sub>	V <sub>in</sub>	I <sub>in</sub>	P <sub>out</sub>	Losses	Efficiency
0.000	12.12	24.02	0.018	0.00	0.432	0.1%
0.251	12.12	23.95	0.157	3.04	0.718	80.9%
0.501	12.11	23.95	0.296	6.07	1.022	85.6%
0.751	12.11	23.98	0.435	9.09	1.337	87.2%
1.002	12.11	23.98	0.577	12.13	1.702	87.7%
1.249	12.11	24.01	0.715	15.13	2.042	88.1%
1.501	12.11	24.00	0.858	18.18	2.415	88.3%
1.750	12.11	23.99	1.000	21.19	2.798	88.3%
2.002	12.11	23.99	1.143	24.24	3.176	88.4%
2.250	12.11	23.99	1.286	27.25	3.604	88.3%
2.503	12.11	24.00	1.430	30.31	4.009	88.3%
2.750	12.11	24.00	1.573	33.30	4.450	88.2%
3.005	12.11	24.01	1.719	36.39	4.883	88.2%
3.250	12.11	24.01	1.862	39.36	5.349	88.0%
3.500	12.10	24.01	2.005	42.35	5.790	88.0%

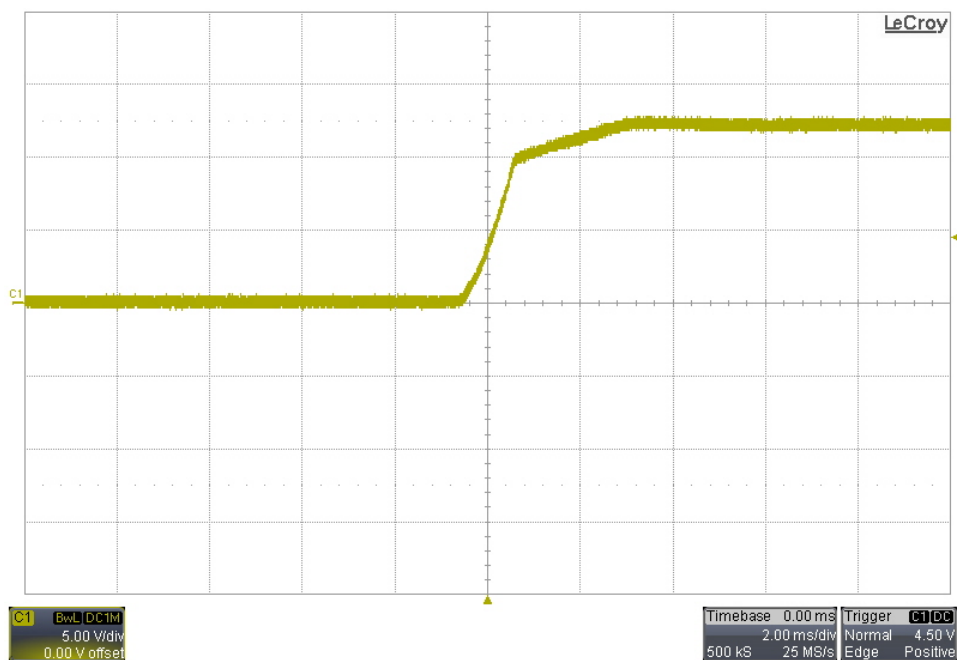
### 3 Thermal Image

The ambient temperature was 25°C with no forced air flow. The output was loaded with 3.5A.

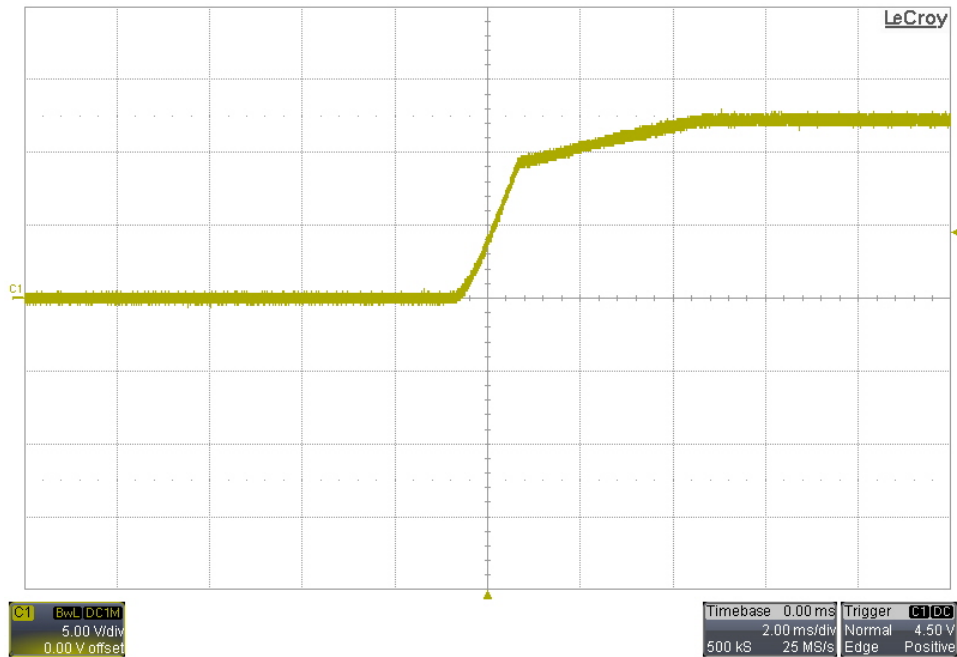


## 4 Startup

### 4.1 No Load

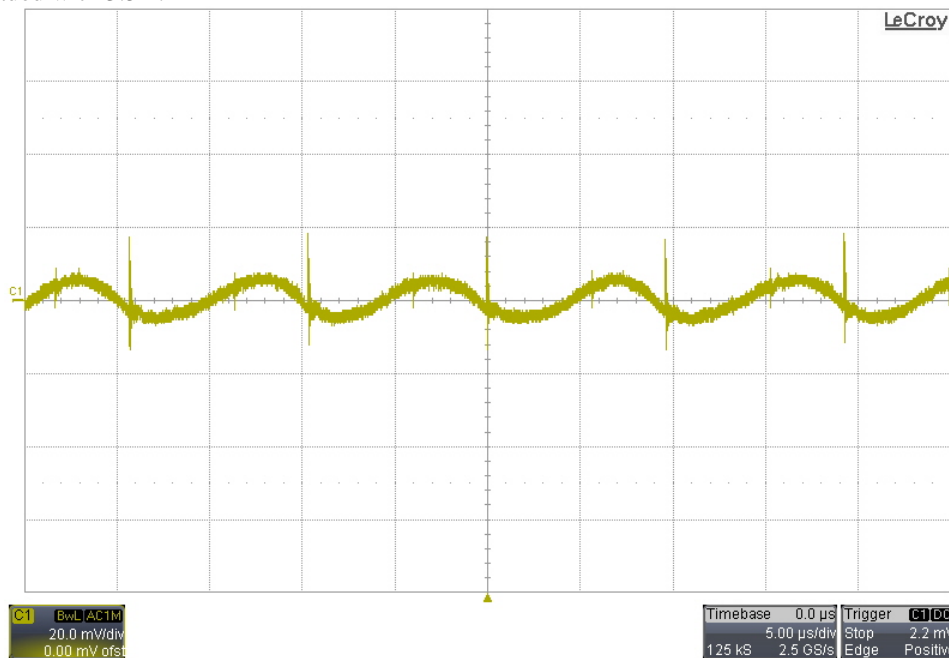


### 4.2 4Ω Load



## 5 Output Ripple Voltage

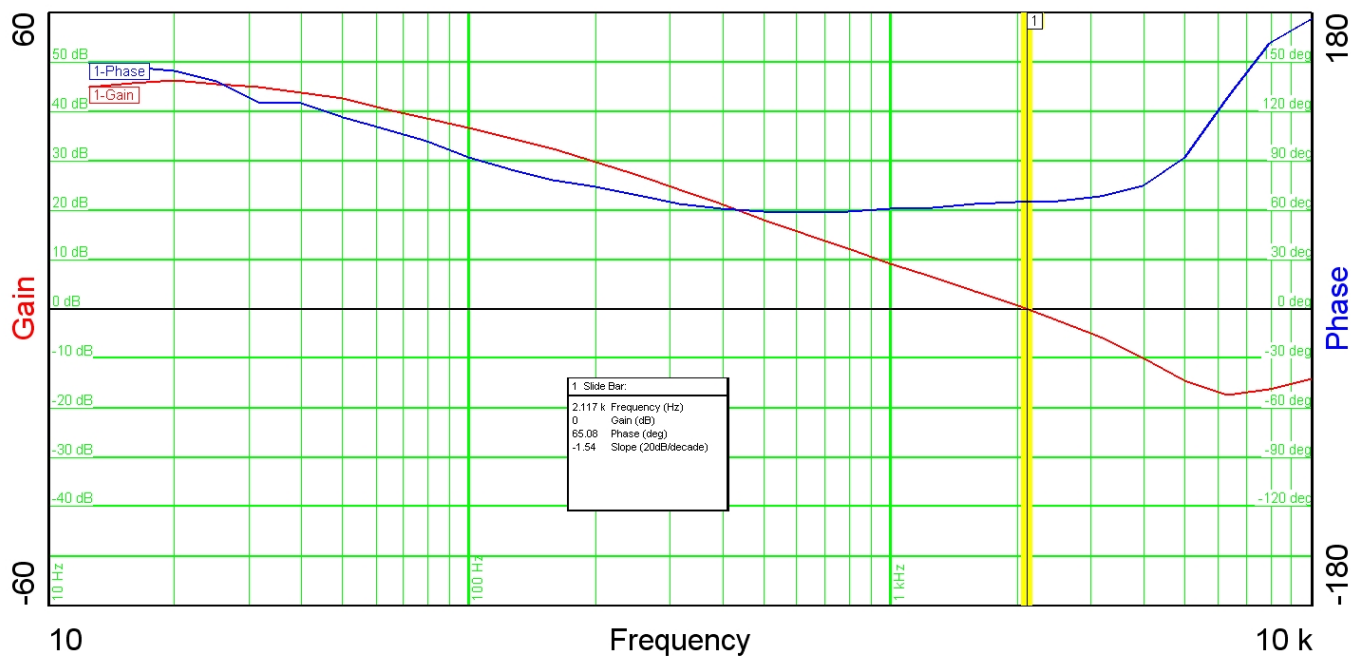
The output was loaded with 3.5A.



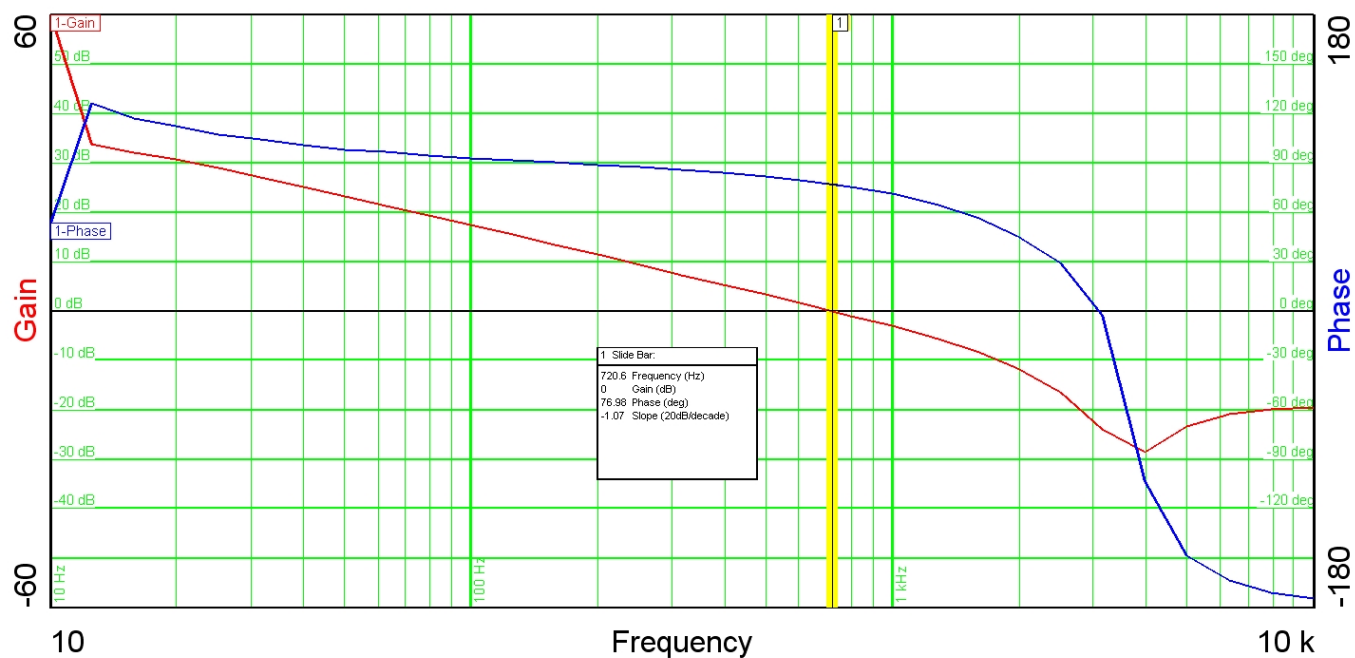
## 6 Frequency Response

The output was loaded with 3.5A.

### 6.1 Loop Broken At R100

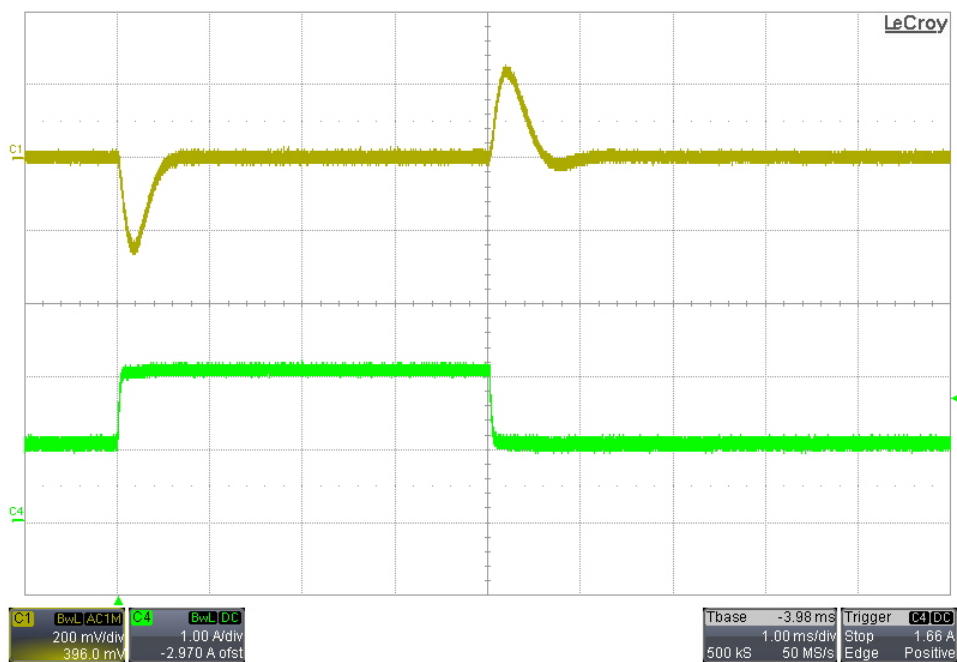


## 6.2 Loop Broken At R13



## 7 Load Transients

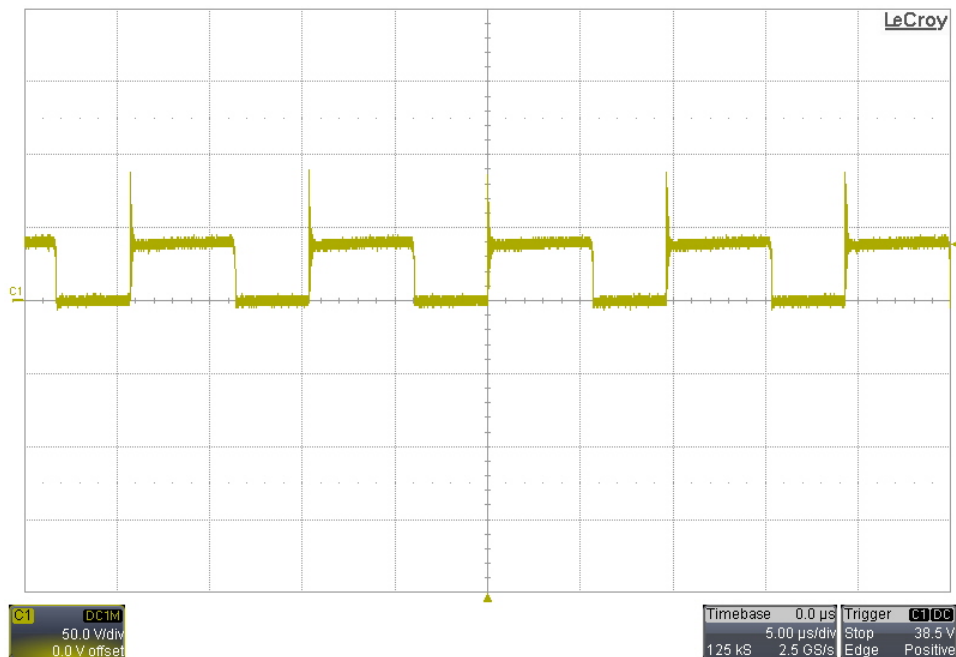
The response to a load step from 1A to 2A is shown in the image below. Channel 1: Vout (ac coupled); Channel 4: Iout



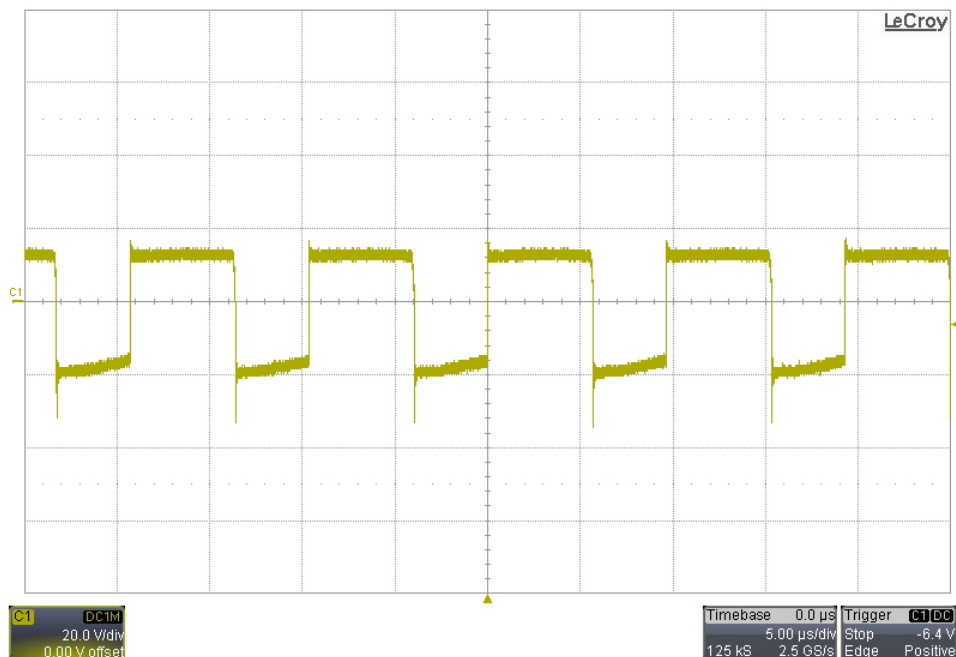
## 8 Switching Waveforms

The output was loaded with 3.5A.

### 8.1 Q1 Drain Voltage



### 8.2 D1 Anode Voltage



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