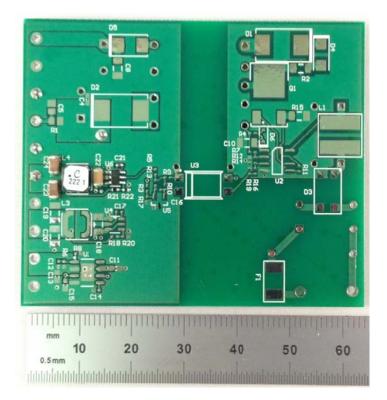
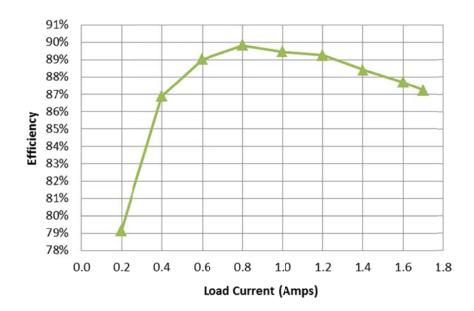


1 Photos

The photograph below shows the PMP9725 Rev A prototype assembly. This circuit was built on a PMP9661 Rev A PCB.



2 Efficiency



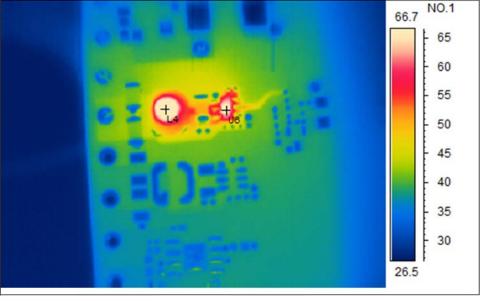
05/19/2014 PMP9725 Rev A Test Results



lout	Vout	Vin	lin	Pout	Losses	Efficiency
0.000	3.313	12.01	0.0134	0.00	0.161	0.1%
0.198	3.310	12.00	0.069	0.66	0.173	79.2%
0.400	3.308	11.99	0.127	1.32	0.200	86.9%
0.599	3.305	12.02	0.185	1.98	0.244	89.0%
0.800	3.302	12.00	0.245	2.64	0.298	89.9%
1.000	3.299	12.01	0.307	3.30	0.388	89.5%
1.200	3.297	12.01	0.369	3.96	0.475	89.3%
1.400	3.294	11.99	0.435	4.61	0.604	88.4%
1.601	3.292	12.02	0.500	5.27	0.740	87.7%
1.700	3.291	12.01	0.534	5.59	0.819	87.2%

3 Thermal Image

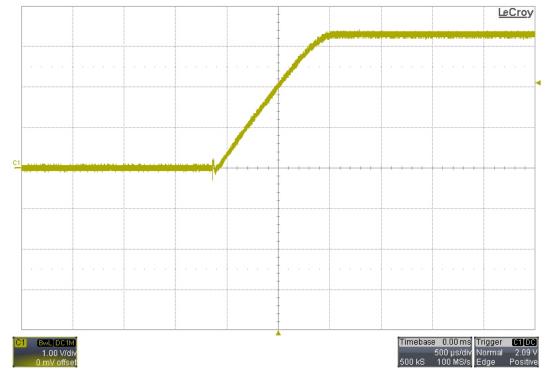
The ambient temperature was 25°C, with no forced air flow. The 1.2V output was loaded with 1.7A. The input was 12Vdc.



Spot analysis	Value	
L4Temperature	69.9°C	
U6 Temperature	66.7°C	



4 Startup – No Load

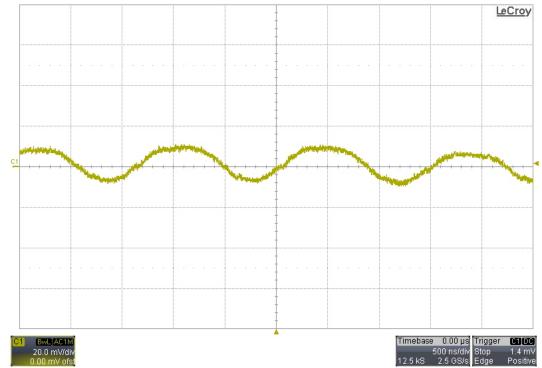


5 Startup – 2Ω Load

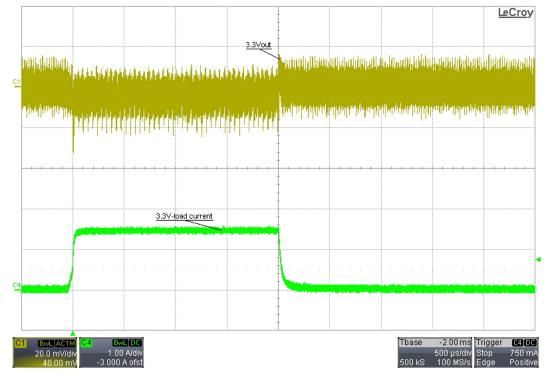
05/19/2014 PMP9725 Rev A Test Results



6 Output Ripple Voltage



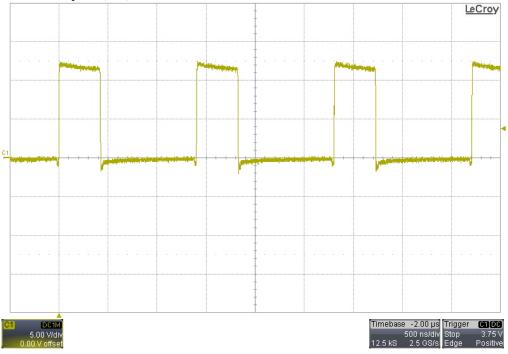
7 0A to 1.5A Transient





8 Switching Waveform

The image below shows the on pin 2 (SW) of U6.



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