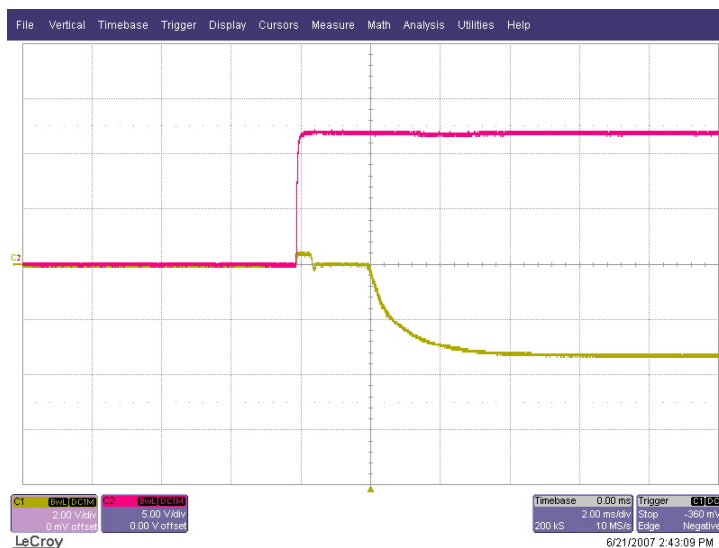


1 Startup

The photo below shows the startup waveforms. The input voltage is 12V, the output is not loaded.

Channel 1 : -3.3V Output – Yellow (2V/Division)

Channel 2 : 12V Input – Pink (5V/Division)

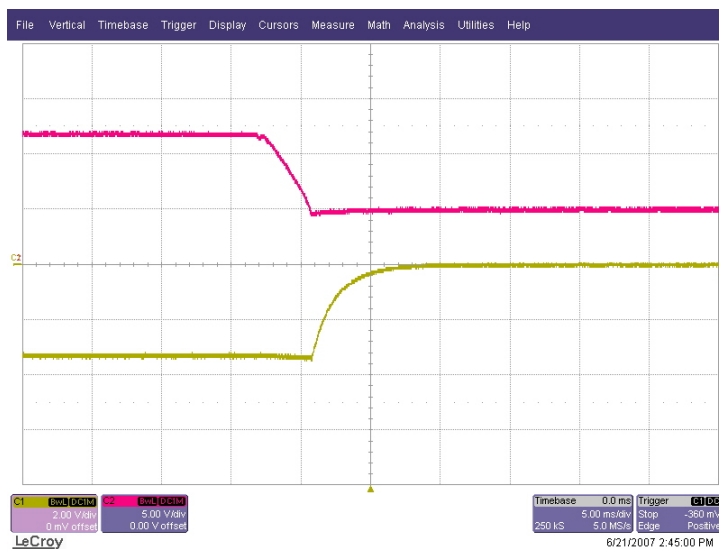


2 Shutdown

The photo below shows the shutdown waveform. The input voltage is 12V. The output is loaded with 1A.

Channel 1 : -3.3V Output – Yellow (2V/Division)

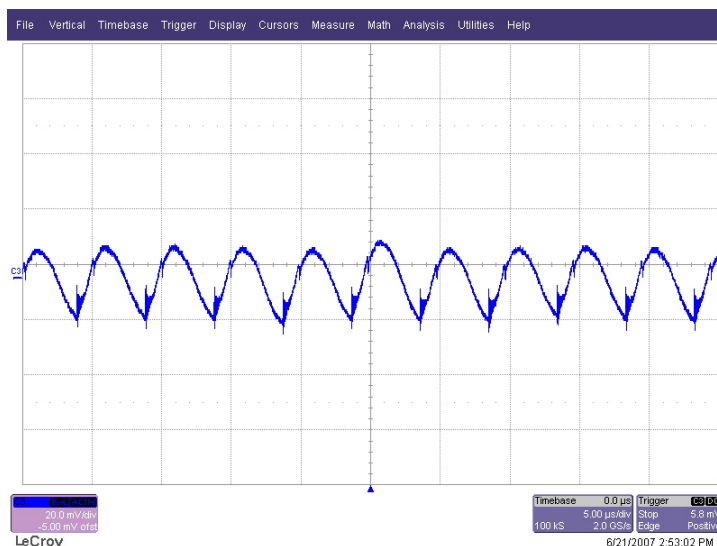
Channel 2 : 12V Input – Pink (5V/Division)



3 Output Ripple Voltage

The output voltage ripple is shown in the figure below. The input is 12V. The output is fully loaded (9A). The timebase is 5 μ s/Division.

Channel 3 : Output Voltage – Blue (20mV/Division; AC Coupled)

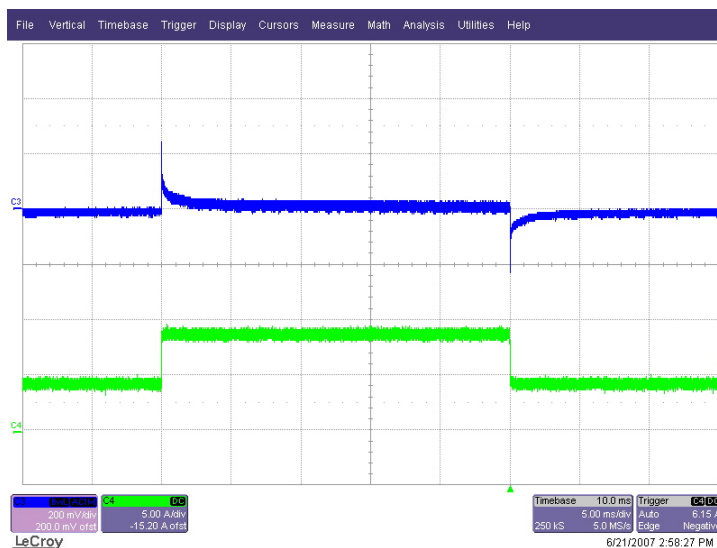


4 Transient Response

The transient response of the converter is shown in the figure below. The output current is pulsed from 4A to 9A. The input voltage is 12V.

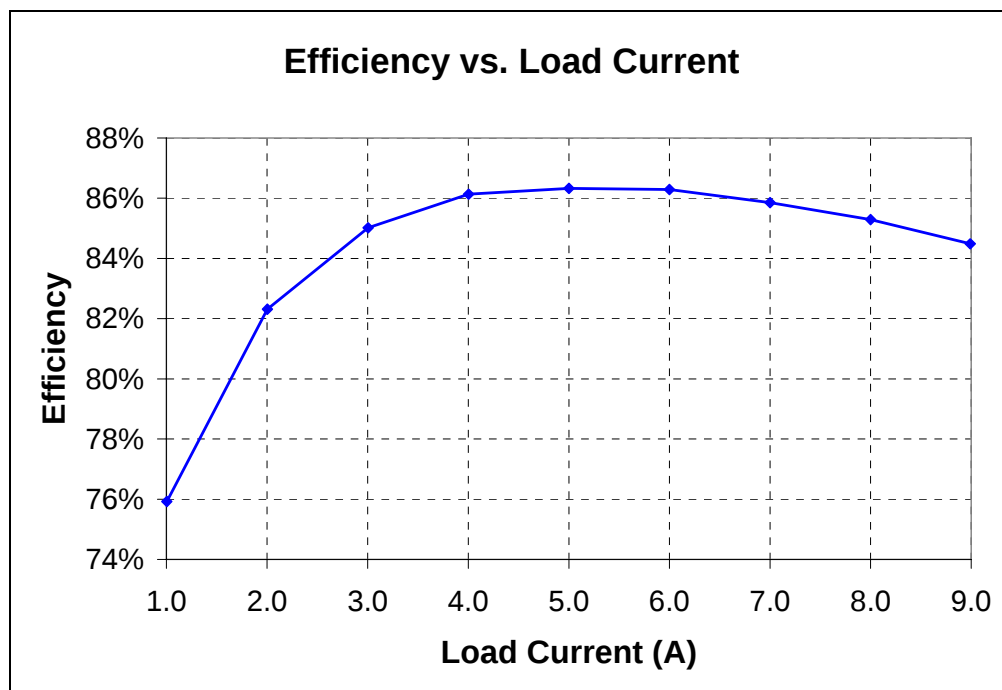
Channel 3 : 11.1V Output – Red (200mV/Division; AC Coupled)

Channel 4 : Output Current – Blue (2A/Division)



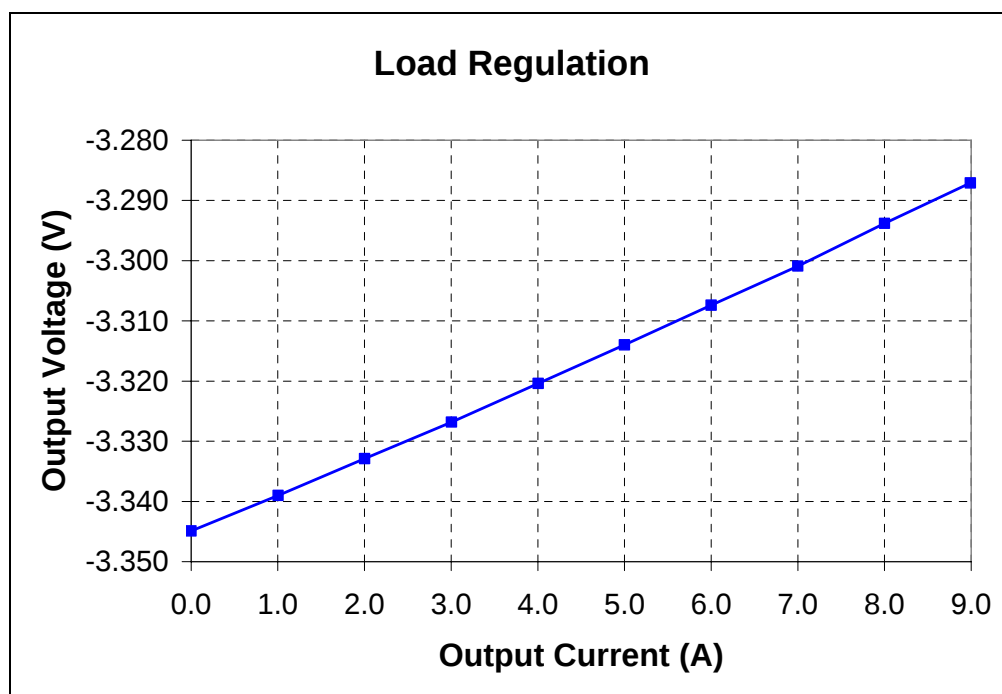
5 Efficiency

The efficiency of the converter is shown in the figure below.



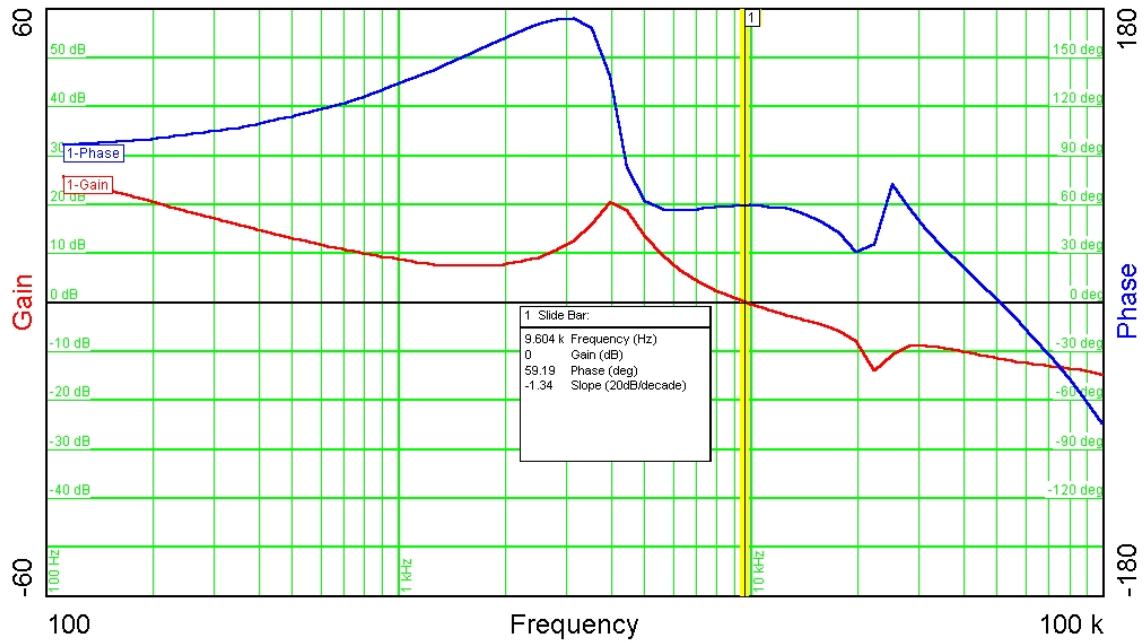
6 Load Regulation

The load regulation of the converter is shown in the figure below.



7 Frequency Response

The frequency response of the converter is shown in the figure below.



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