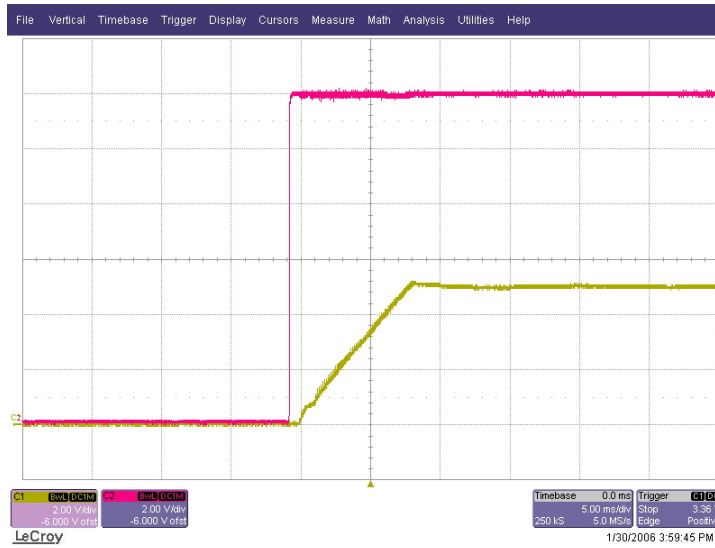


1 Startup

The photo below shows the startup waveform for the 5V output. The input is set to 12V, the output is unloaded. The timebase is set to 5ms/Division.

Channel 1 : 5V Output - Yellow (2V/Division)

Channel 2 : 12V Input - Pink (2V/Division)

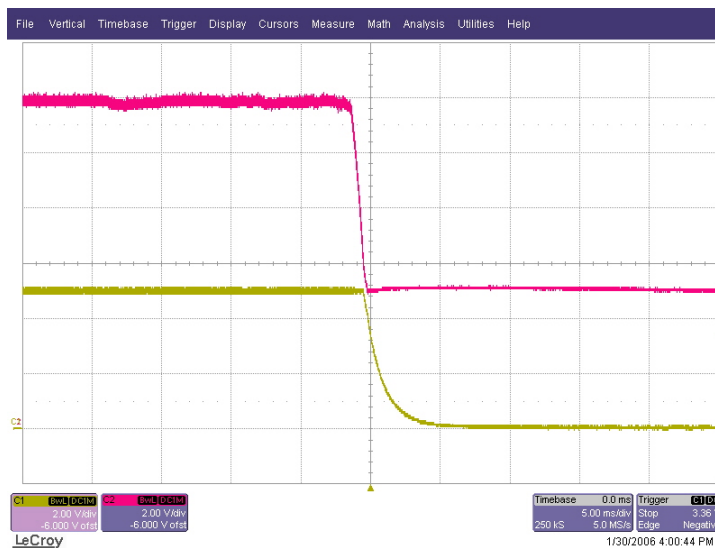


2 Shutdown

The photo below shows the shutdown waveform for the 5V output. The input is set to 12V, the output has a resistive load. The timebase is set to 5ms/Division.

Channel 1 : 5V Output - Yellow (2V/Division)

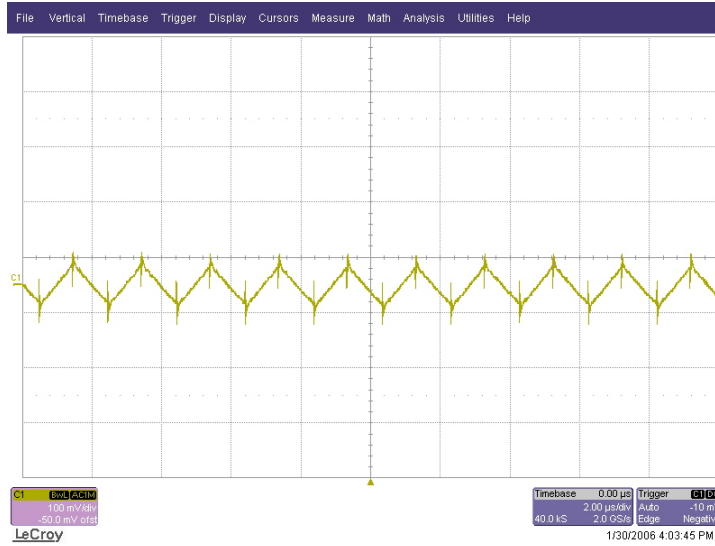
Channel 2 : 12V Input - Pink (2V/Division)



3 Output Ripple Voltage

The output voltage ripple is shown in the figure below. The input voltage is set to 12V, the output is loaded at 3A. The timebase is set to 5us.

Channel 1 : Output Voltage - Yellow (100mV/Division; AC Coupled)

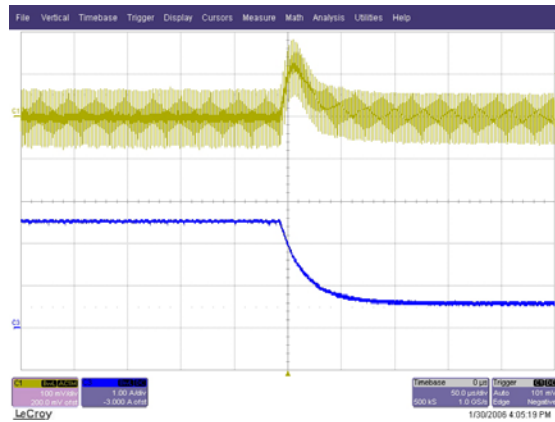
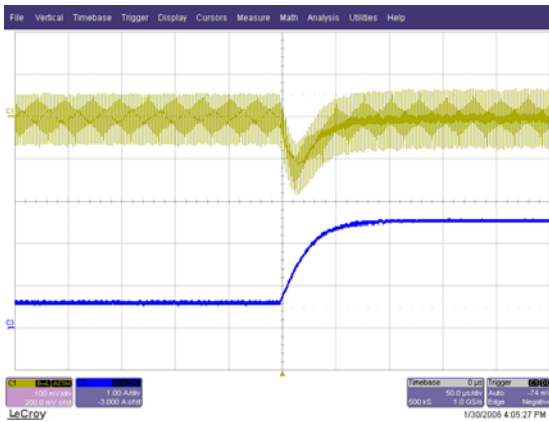


4 Load Transients

The figures below show the transient response of the PMP1692 converter. The input is set to 12V, the output is pulsed from 0.5A to 2.5A. The timebase is set to 50us/Division.

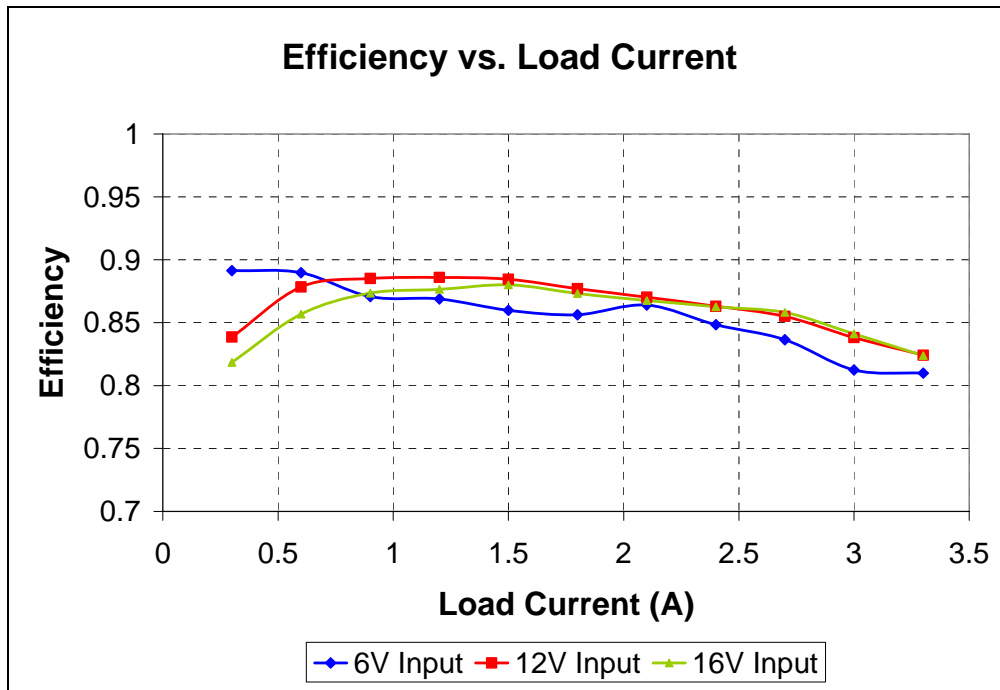
Channel 1 : 5V Output - Yellow (100mV/Division; AC Coupled)

Channel 3 : Output Current - Blue (1A/Division)



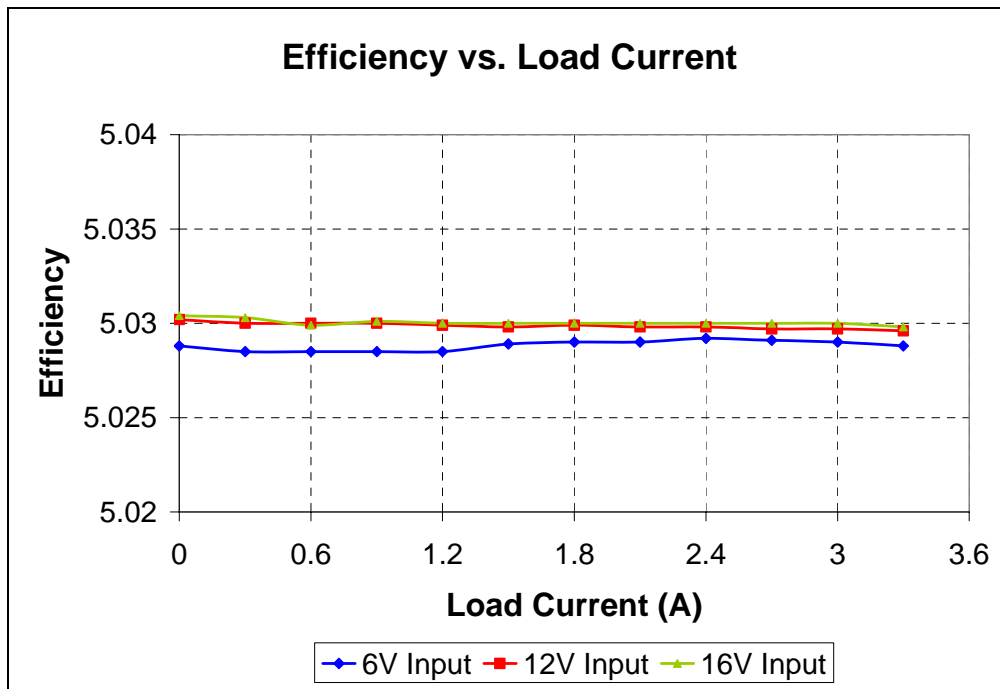
5 Efficiency

The efficiency for PMP1692 is shown in the figure below.



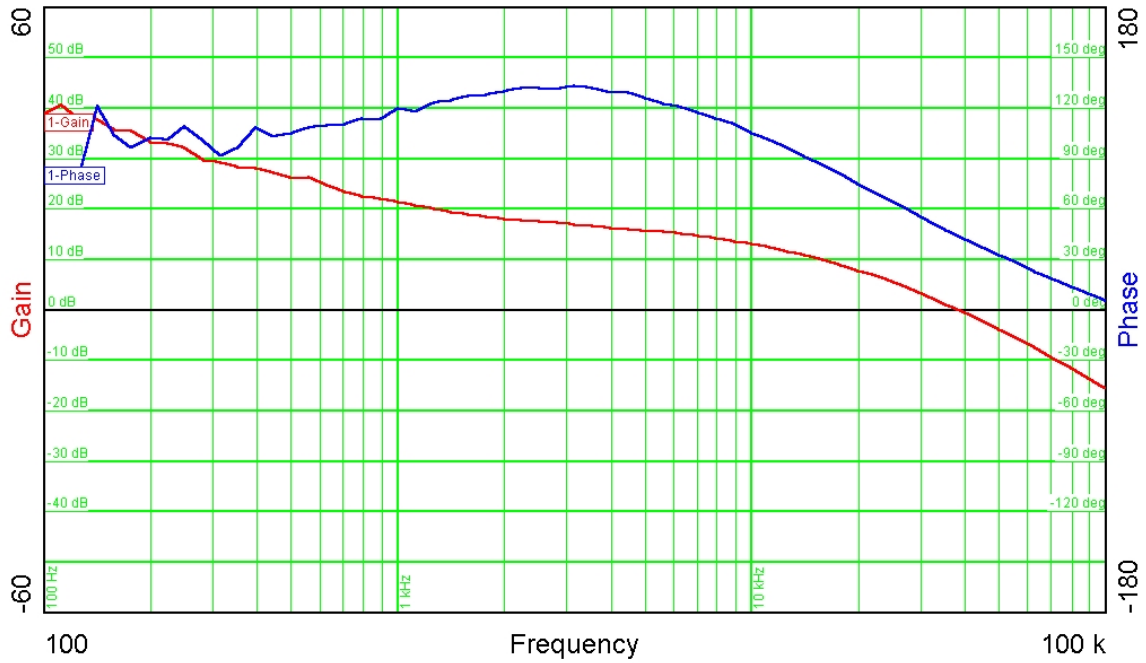
6 Load Regulation

The load regulation for PMP1692 is shown in the figure below.



7 Stability

The stability for the 5V output is shown in the figure below. The output is fully loaded when the measurement is taken.



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