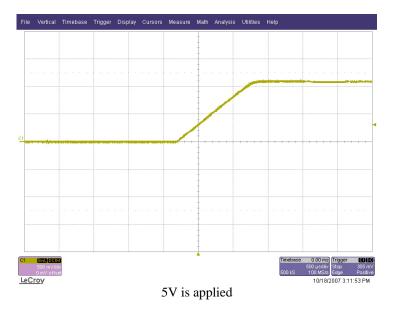


1 Startup

The photo below shows the startup waveform. The input voltage is 12V, the output is not loaded. The timebase is set to 500us/Division.

Channel 1: 1.1V Output - Yellow (500mV/Division)



2 Shutdown

The photo below shows the shutdown waveform. The input voltage is 12V. The timebase is set to 20ms/Division. The output is unloaded. The supply is turned off by removing the 5V bias.

Channel 1: 1.1V Output - Yellow (500mV/Division)

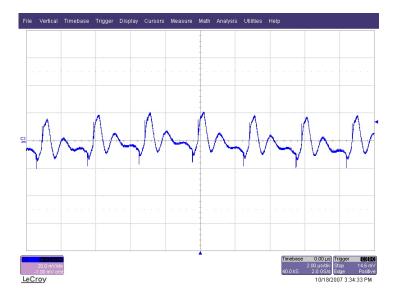




3 Output Ripple Voltage

The output voltage ripple is shown in the figure below. The input is 12V. The output is fully loaded. The timebase is 2us/Division.

Channel 3: 1.1 Output - Blue (AC Coupled; 20mV/Division)

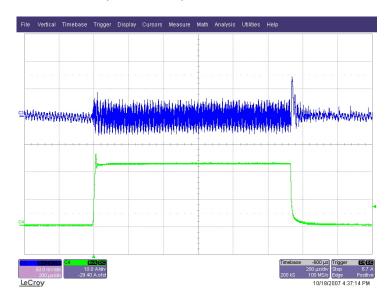


4 Load Transients

The photo below shows the transient response. The current is pulsed from 0% to 100% load. The timebase is set to 200us/Divison.

Channel 3: 1.1V Output – Blue (AC Coupled; 50mV/Division)

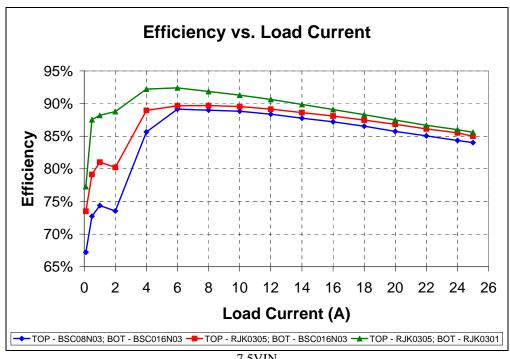
Channel 4 : Output Current – Green (10A/Division)



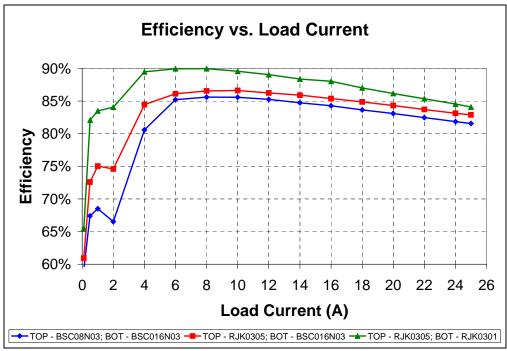


5 **Efficiency**

The efficiency is shown in the figure below.

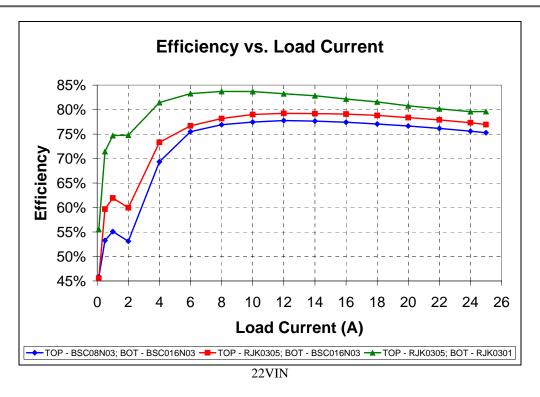


7.5VIN



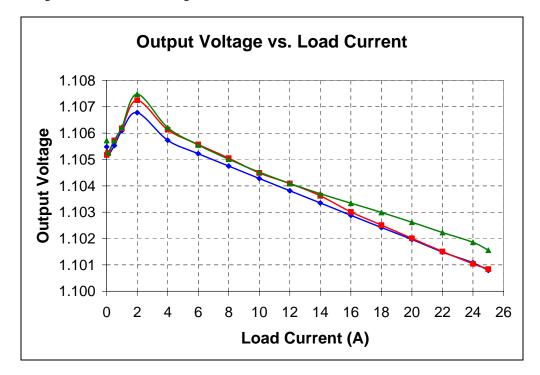
12VIN





6 Load Regulation

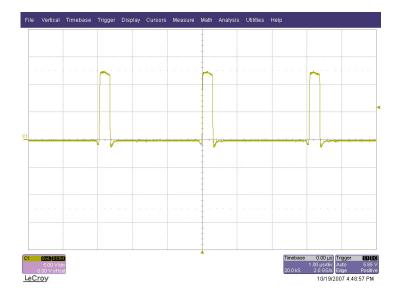
The load regulation is shown in the figure below.





7 Switching Waveforms

The plot below shows the switching waveform. The input is 12V. The output is fully loaded. The time base is set to 1us/Division.



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