

Output Ripple Voltage / Switching Frequency

Simulation Setting  
 Type: Time Domain  
 Run Time: 5msec

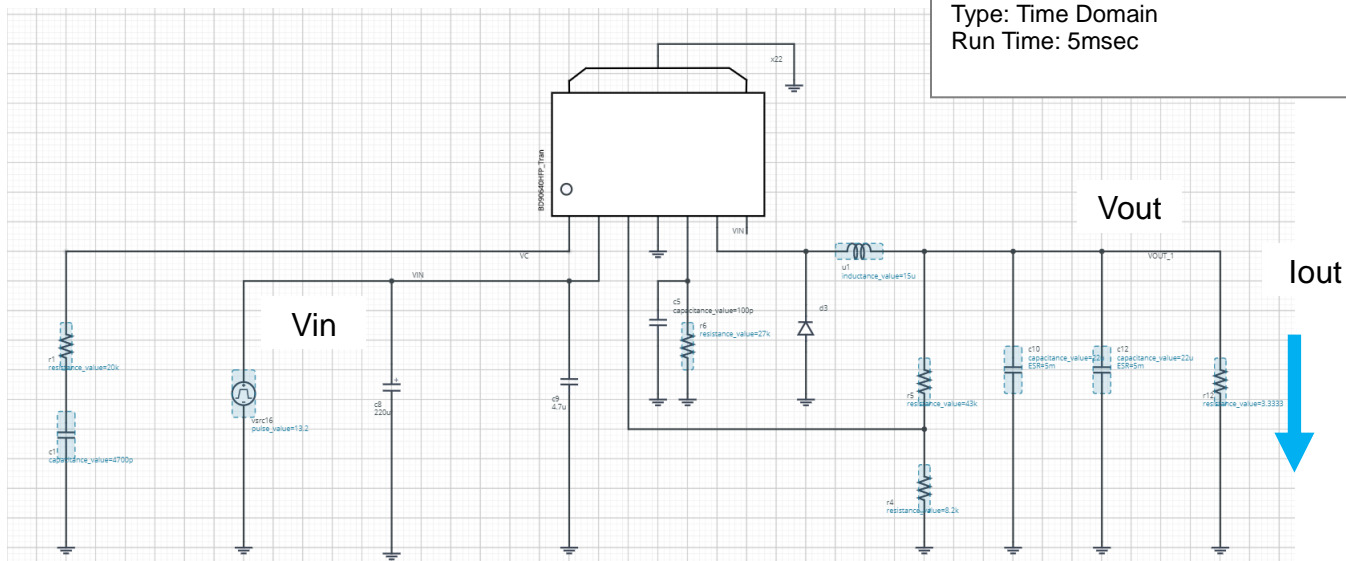


Figure 1. Simulation Schematic

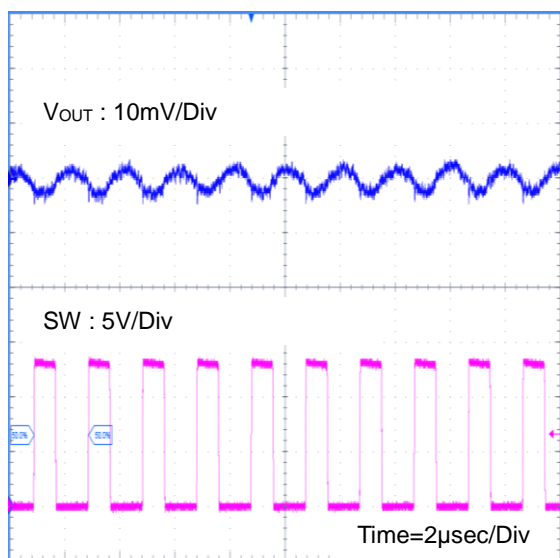


Figure 2. Output Ripple Voltage / Switching Frequency (Measured Waveform)

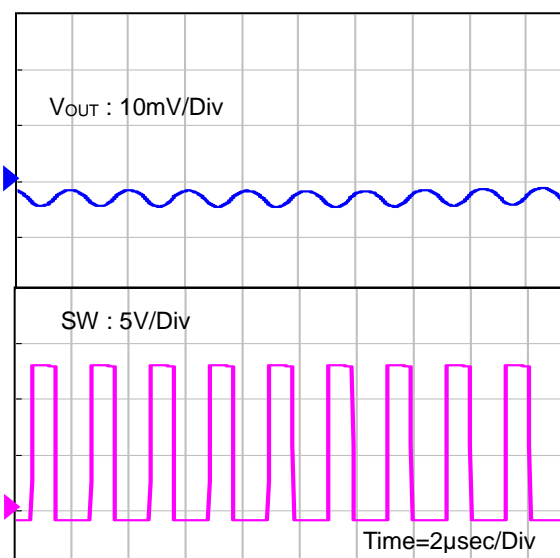


Figure 3. Output Ripple Voltage / Switching Frequency (ROHM Solution Simulator)

Table 1. Characteristics Comparison

Parameter	Measured Result <i>(Note 1,2)</i>	Simulation Result	Unit	Error	Condition
Output Ripple Voltage	8.0	4.8	mV	40.0%	-
Switching Frequency	500	510.2	kHz	1.8%	R6=27kΩ

(Note 1) The above data is based on a specific sample and it is not a guaranteed value.

(Note 2) These characteristics depend on some dynamic characteristics of external components, input signal speed, PCB pattern and mounting condition of each on-board parts.

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