

Frequency Characteristic

Simulation Setting
 Type: Frequency Domain
 Frequency Range: 100Hz to 1MHz

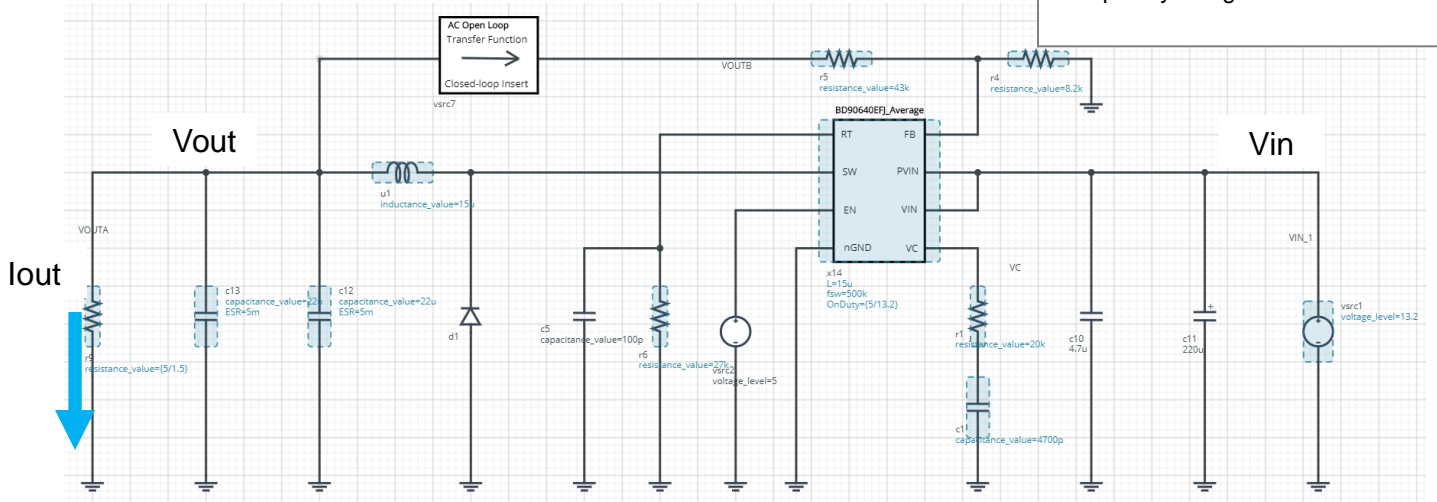


Figure 1. Simulation Schematic

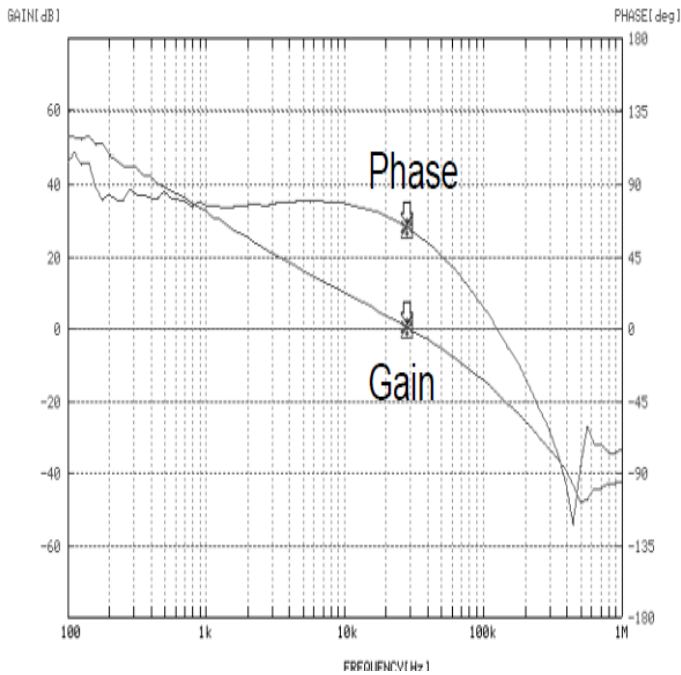


Figure 2. Frequency Characteristic (Datasheet)

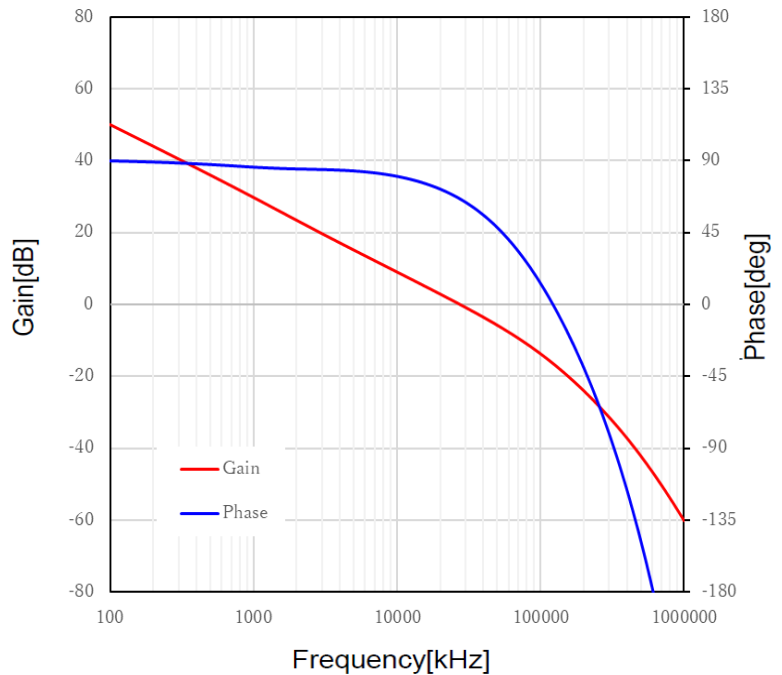


Figure 3. Frequency Characteristic (ROHM Solution Simulator)

Table 1. Characteristics Comparison

Parameter	Datasheet (Note 1,2)	Simulation Result	Unit	Error	Condition
Phase Margin	63	66.4	degree	5.4%	At Gain = 0dB
Gain Margin	17	16.5	dB	2.9%	At Phase = 0degree
Crossover Frequency	28	27.2	kHz	2.9%	At Gain = 0dB

(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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