

Frequency Characteristic

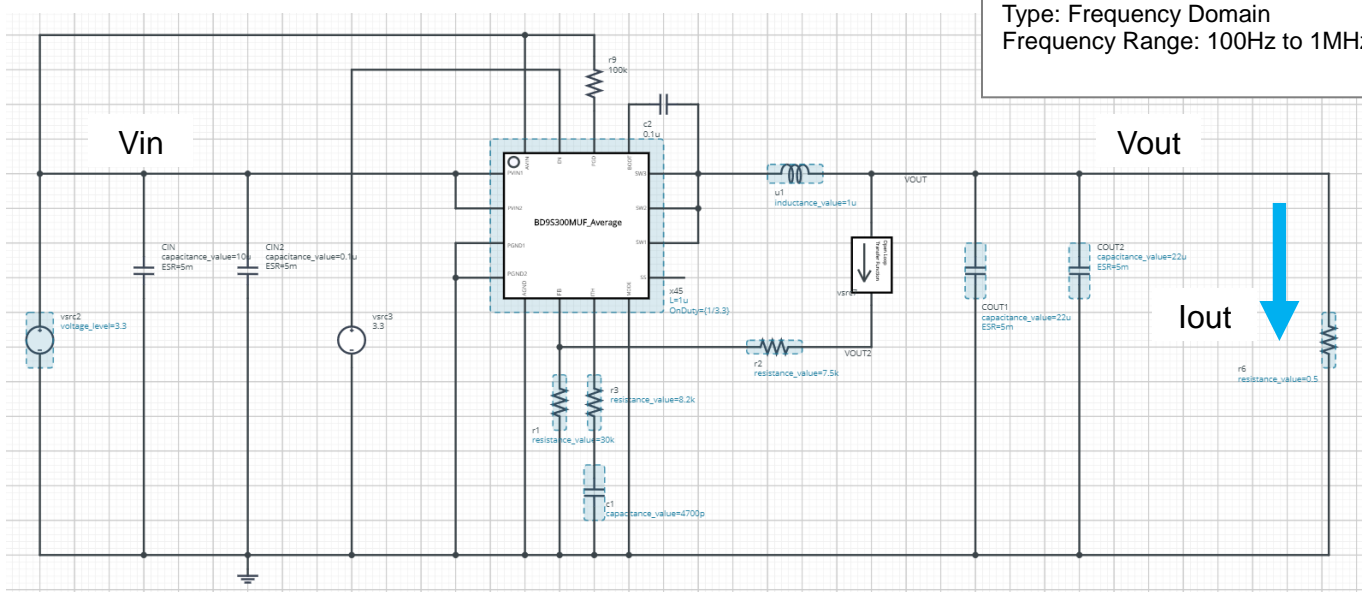


Figure 1. Simulation Schematic

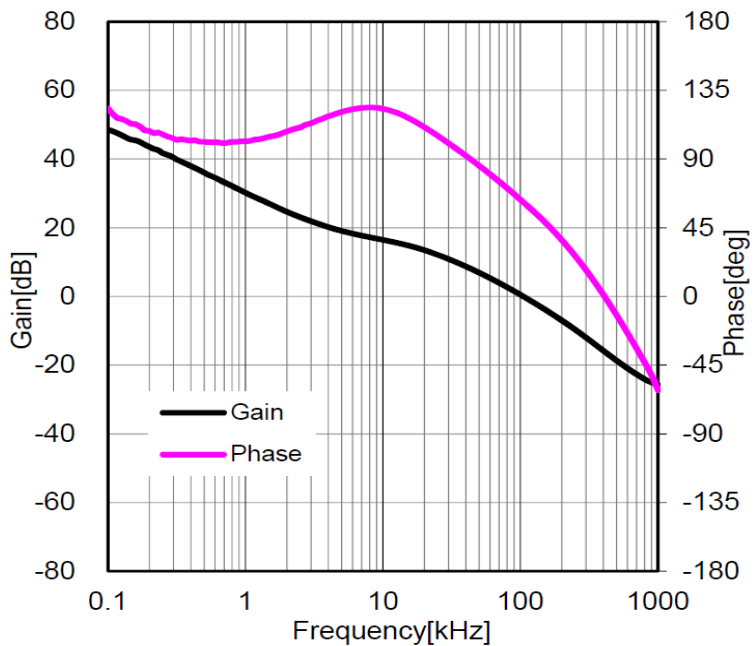


Figure 2. Frequency Characteristic (Datasheet)

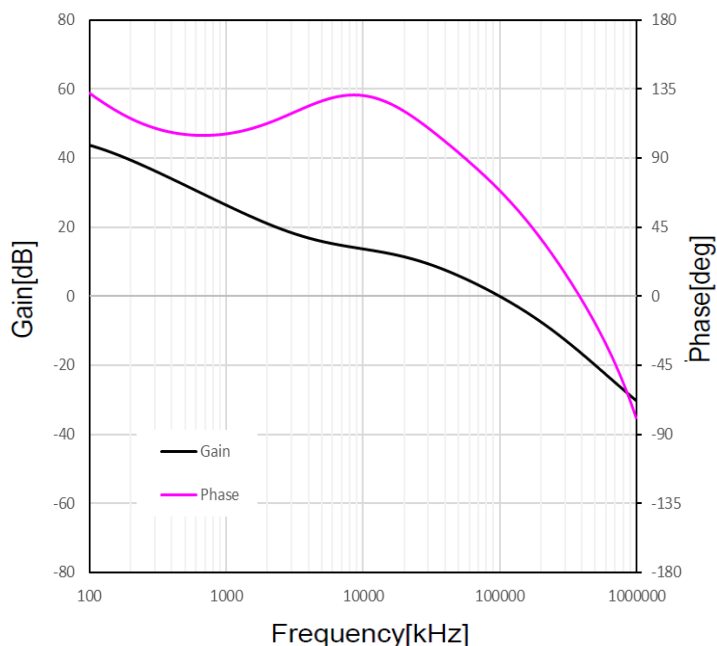


Figure 3. Frequency Characteristic (ROHM Solution Simulator)

Table 1. Characteristics Comparison

Parameter	Datasheet (Note 1,2)	Simulation Result	Unit	Error	Condition
Phase Margin	64	68.2	degree	6.6%	At Gain = 0dB
Gain Margin	15.2	16.0	dB	5.3%	At Phase = 0degree
Crossover Frequency	100	101.7	kHz	1.7%	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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