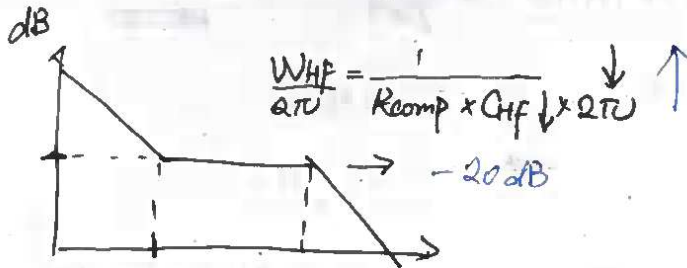


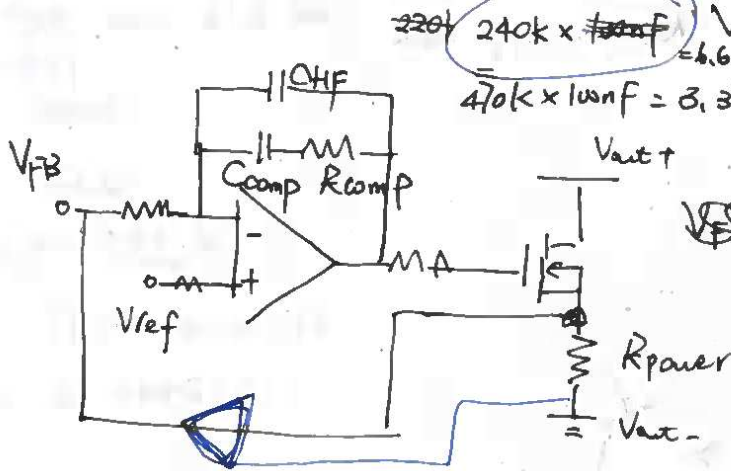
$$A_v = \frac{R_{comp}}{R_{fbb}}$$
 where is R_{fbb} .
 the V_{ref} from voltage divider



$$A_v = \frac{R_{comp}}{R_{fbb}} = \frac{R_{comp}}{R_{in}}$$

$$C_{comp} \gg C_{HF}$$

$$\frac{W_{2EA}}{2\pi} = \frac{1}{R_{comp} \times C_{comp} \times 2\pi}$$
 close to 0 Hz.



$$V_{out} = 240k \times 0.22\mu F = 52.8k$$

$$470k \times 1\mu F = 470k$$

$$= 3.38$$

$$= 3.01 Hz$$

$$Gain \rightarrow +w$$

$$\frac{R_{comp}}{R_{power}} = \frac{220k}{0.5\Omega} = 440k$$

$$f_{HF} = \frac{1}{2\pi \times 220k \times 1nF}$$

$$= \frac{1}{2\pi \times 220k \times 1 \times 10^{-9}}$$

$$= 723.4 Hz$$
 (tw small) ?
 big ? ✓

Buck Converter operates at 320 kHz ~ 2.25 MHz

$$C_{HF} = 1nF$$

$$240k \times 1nF = 66.257k$$

$$0.22nF = 220 pF$$

cannot filter 320 kHz & ≥ 320 kHz signal

(Electronic Load should act as a resistance, no filtering involved).

$$220k \times 1nF \rightarrow 73 Hz$$

$$220k \times 2nF = 331.57k$$

$$470k \times 1nF = 338.62k$$

Enough to accept voltage to turn on MOSFET to a certain level

No sense since we have In-Amp In between

2250 kHz

310 - 7 360

566.94mA 620mA - 310 - 1860 mV - 1.748 - 1.7495 - 38.08K

599.88mA 640mA - 320 - 1920 mV - 1.8V - 36.52K

620.5mA 660mA - 330 - 1980 mV - 1.9V - 35.3K

646.31mA 680mA - 340 - 2040 mV - 1.95V - 35.215K

677.94mA 700mA - 350 - 2100 mV - 2.05V - 34.33K

711.94mA 720mA - 360 - 2160 mV - 2.14V - DC

max - 46K

All DC outputs.

1.7Hz. Cuts.

With Error Amp -	20
18.37mA - 10 - 60 - 50mV - 120	
115.81mA - 60 - 360 - 335mV - 220	
214mA - 110 - 600 - 639.642mV - 320	
313.56mA - 160 - 960 - 934 - 420	
413.13mA - 210 - 1260 - 1.25V - 520	
511.31mA - 260 - 1560 - 1.54V - 620	
610.94mA - 310 - 1860 - 1.84V - 720	
708.94mA - 360 - 2160 - 2.137V - 820	
728.75mA - 410 - 2460 - 2.225V - 920	

$$4.86 + 0.3 = \underline{5.16V}$$