

- Bypass caps needed if $V_{in} > 4V$ from supply

Add $1\mu F$ Tant $W_v > 50v$

- Output caps

$$C_o(\mu F) = \frac{15v}{V_o} = 1\mu F \quad W_v > 25v$$

- Protection Ckry

$$\text{Needed if } C_o > C_o(\mu F) = \frac{3 \times 10^4}{(V_o)^2} = 133\mu F$$

Nope...

- Minimum load current for TL783

$$V_{in} - V_{out} = 40v - 15v = 33v$$

Figure 12 from datasheet $\rightarrow \approx 6mA$