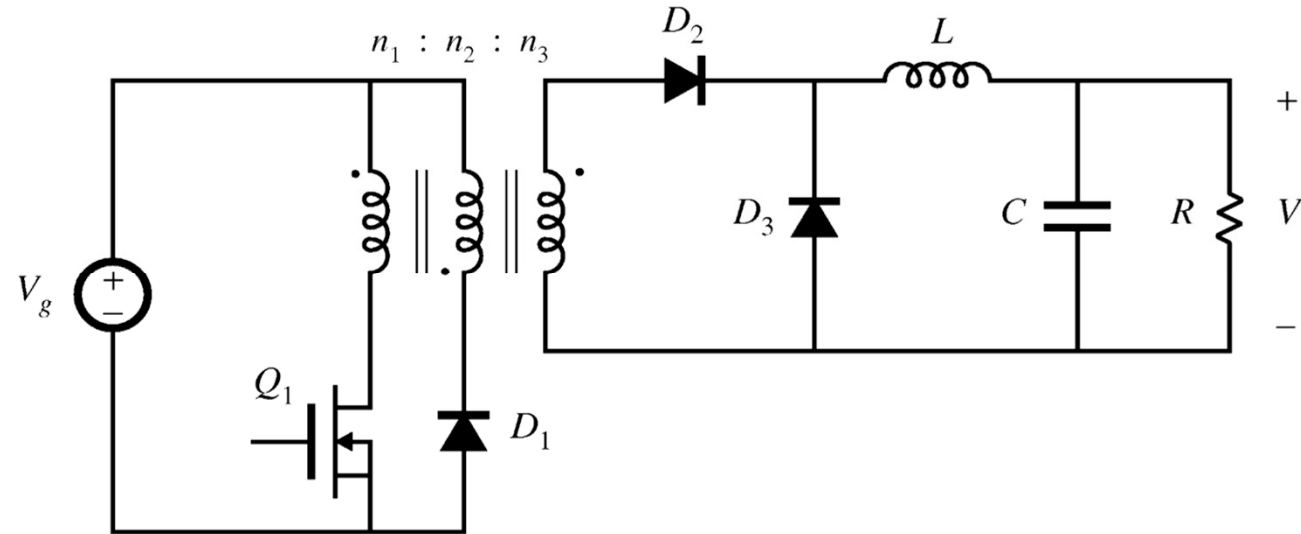
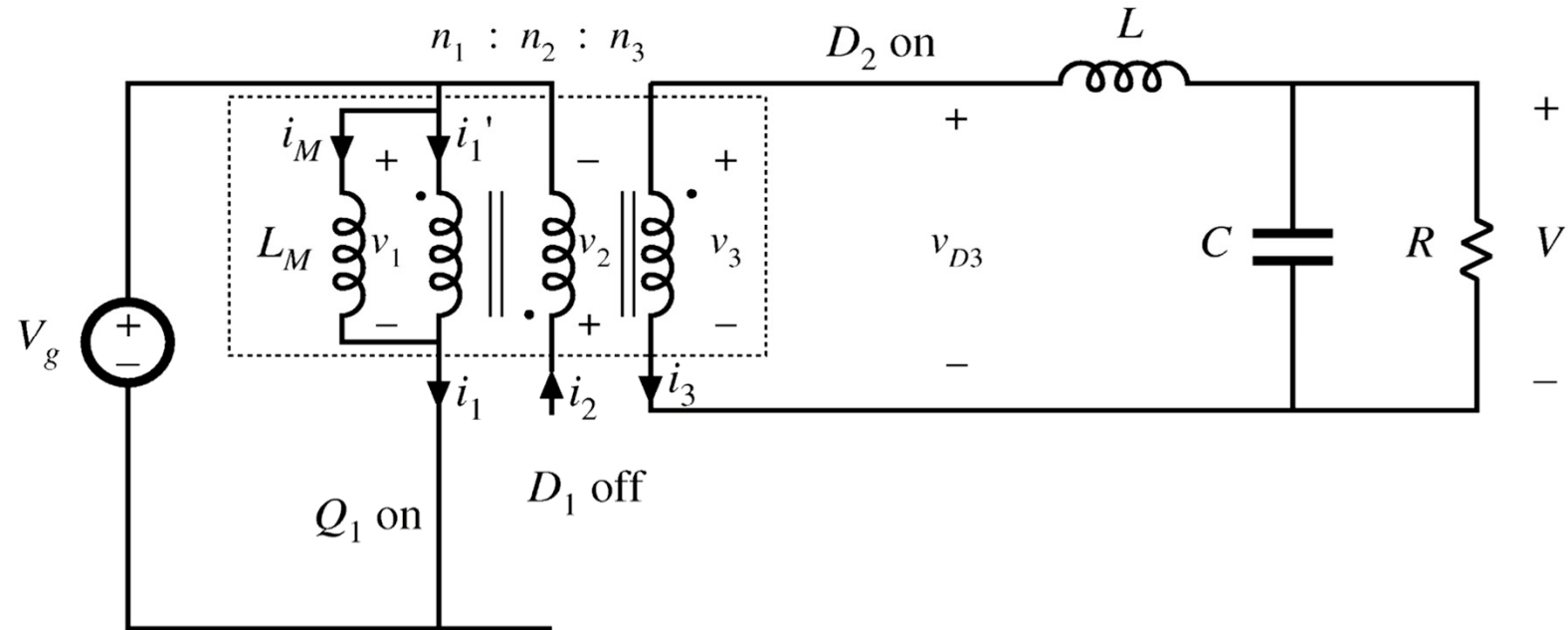


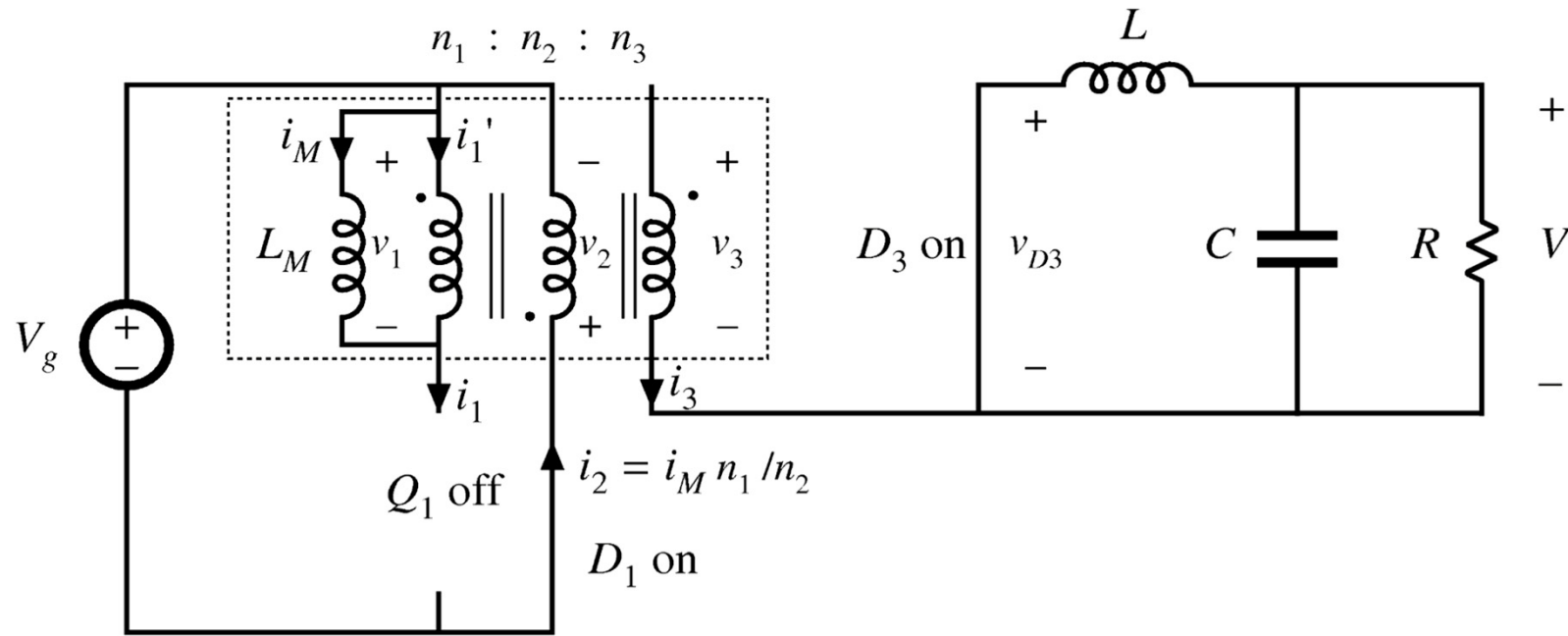
6.3.2 Forward Converter



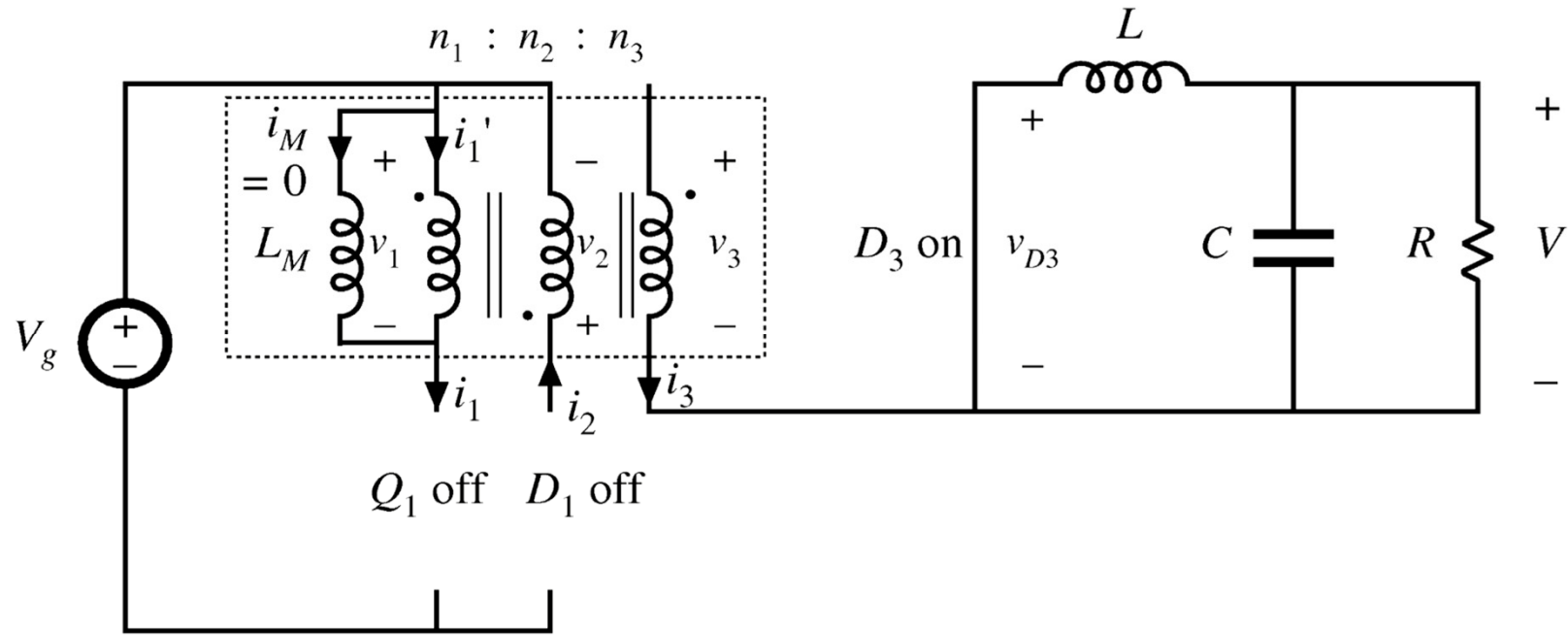
Subinterval 1



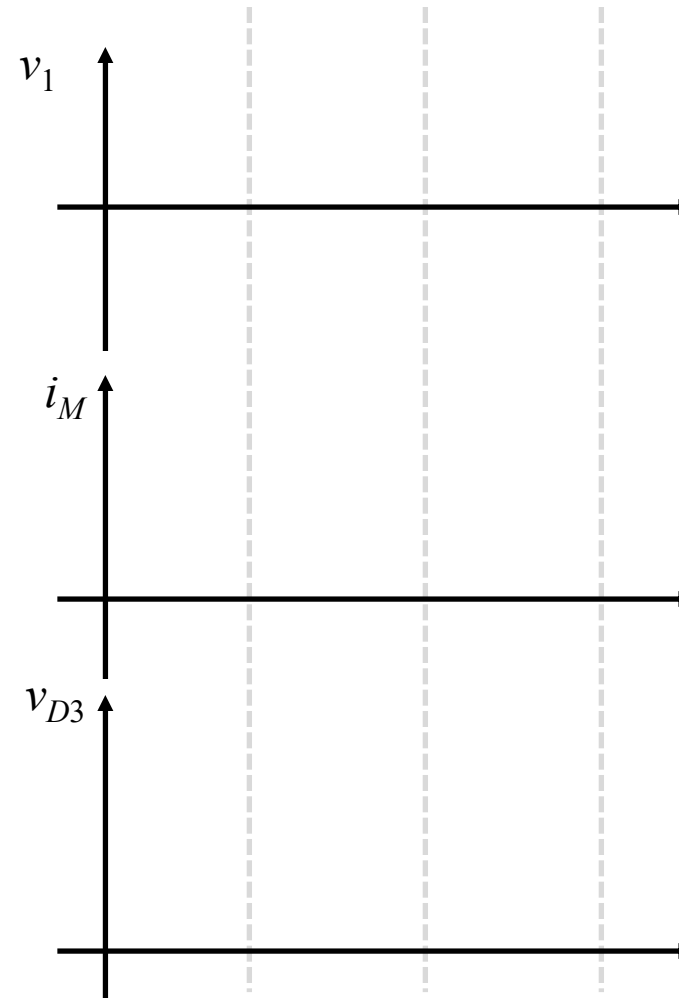
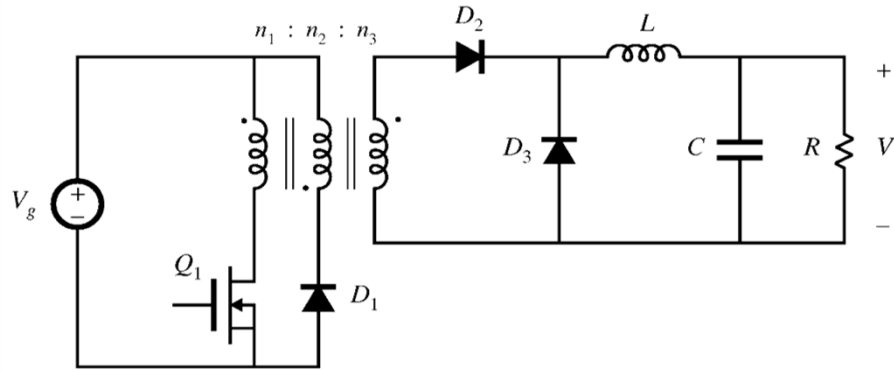
Subinterval 2



Subinterval 3

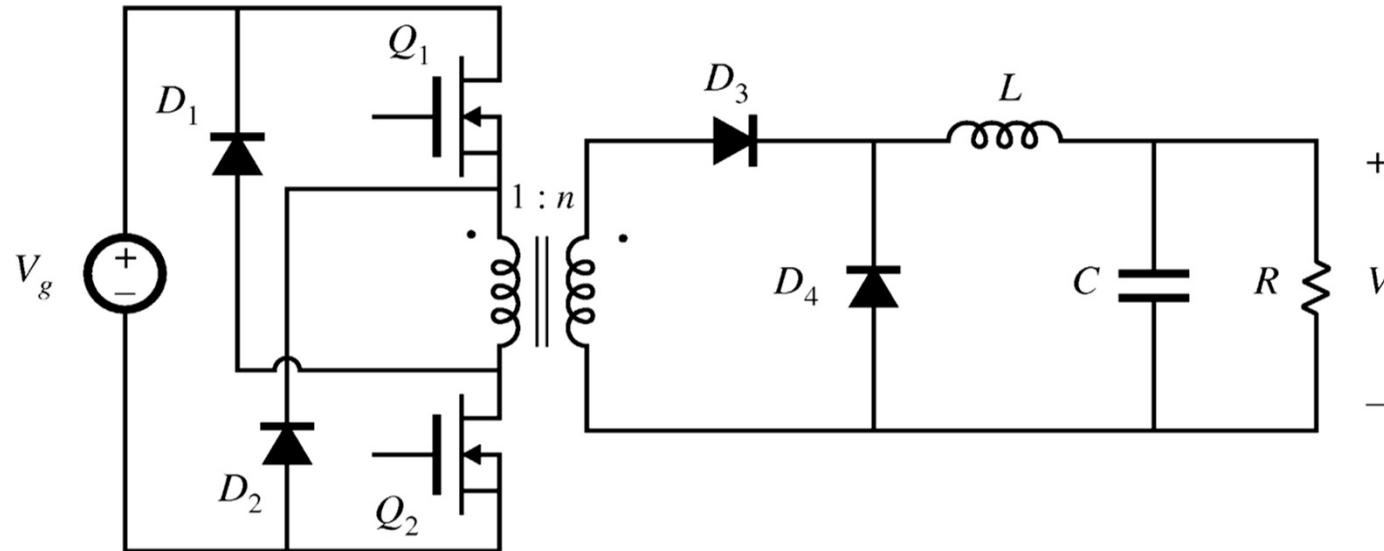


Forward Waveforms





Two-Transistor Forward Converter

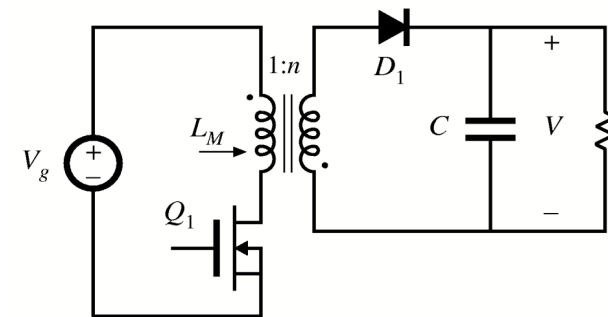
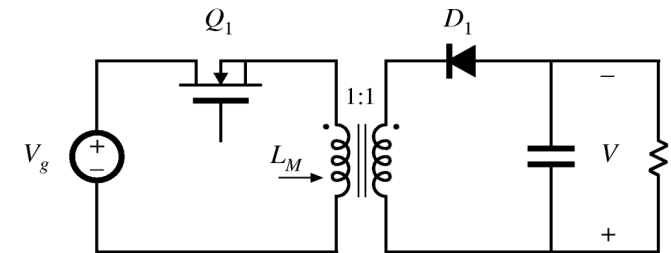
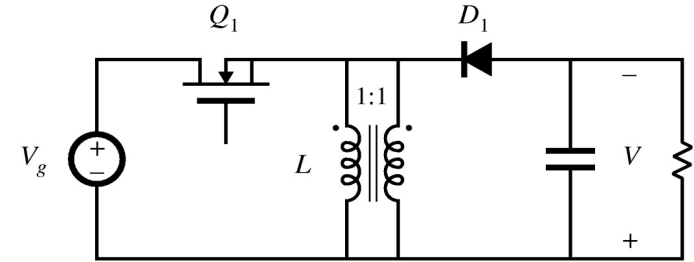
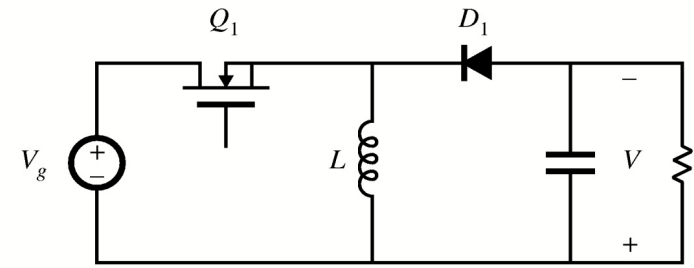


$$V = nDV_g$$

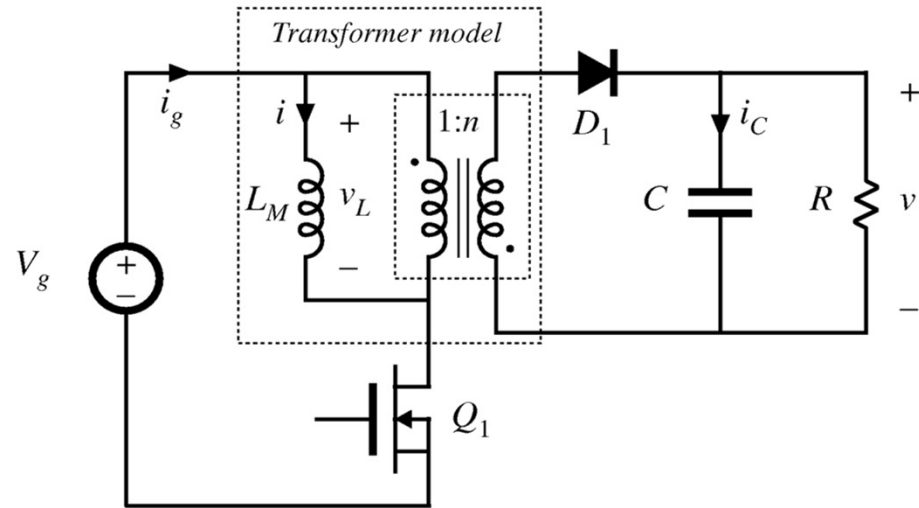
$$D \leq \frac{1}{2}$$

$$\max(v_{Q1}) = \max(v_{Q2}) = V_g$$

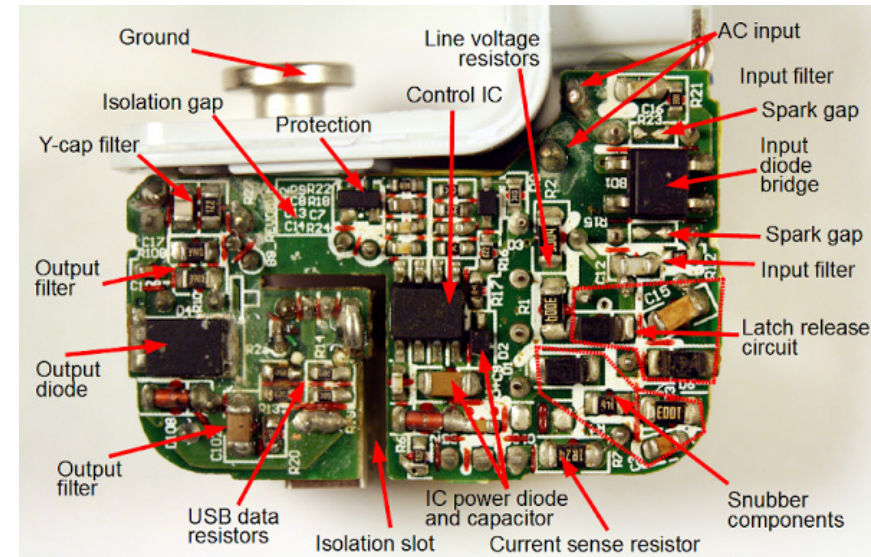
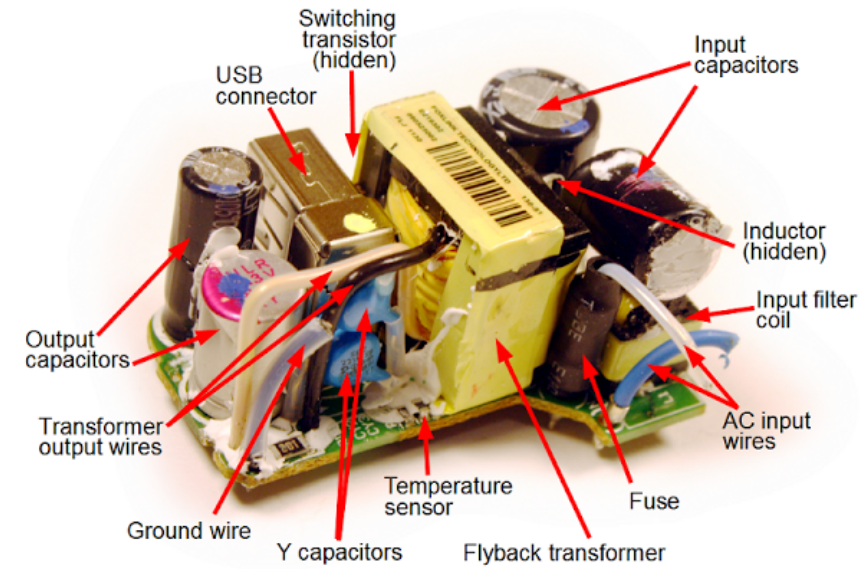
Flyback Converter: Isolated Buck-Boost



Flyback Transformer



Flyback Application: iPad Charger



Flyback Off-Line Charger Application Circuit

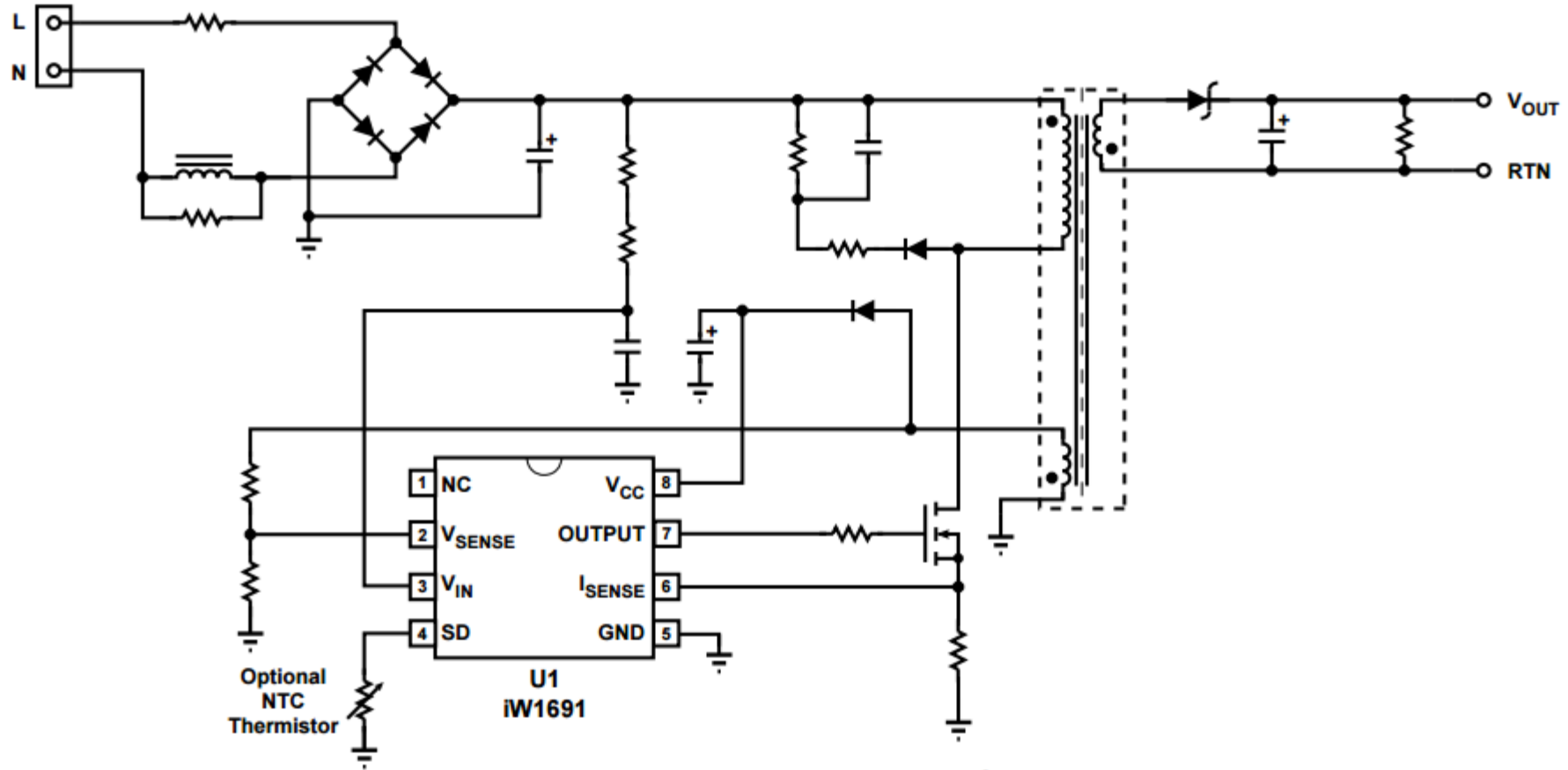


Figure 3.1 : Typical Application Circuit

Flyback Waveforms

