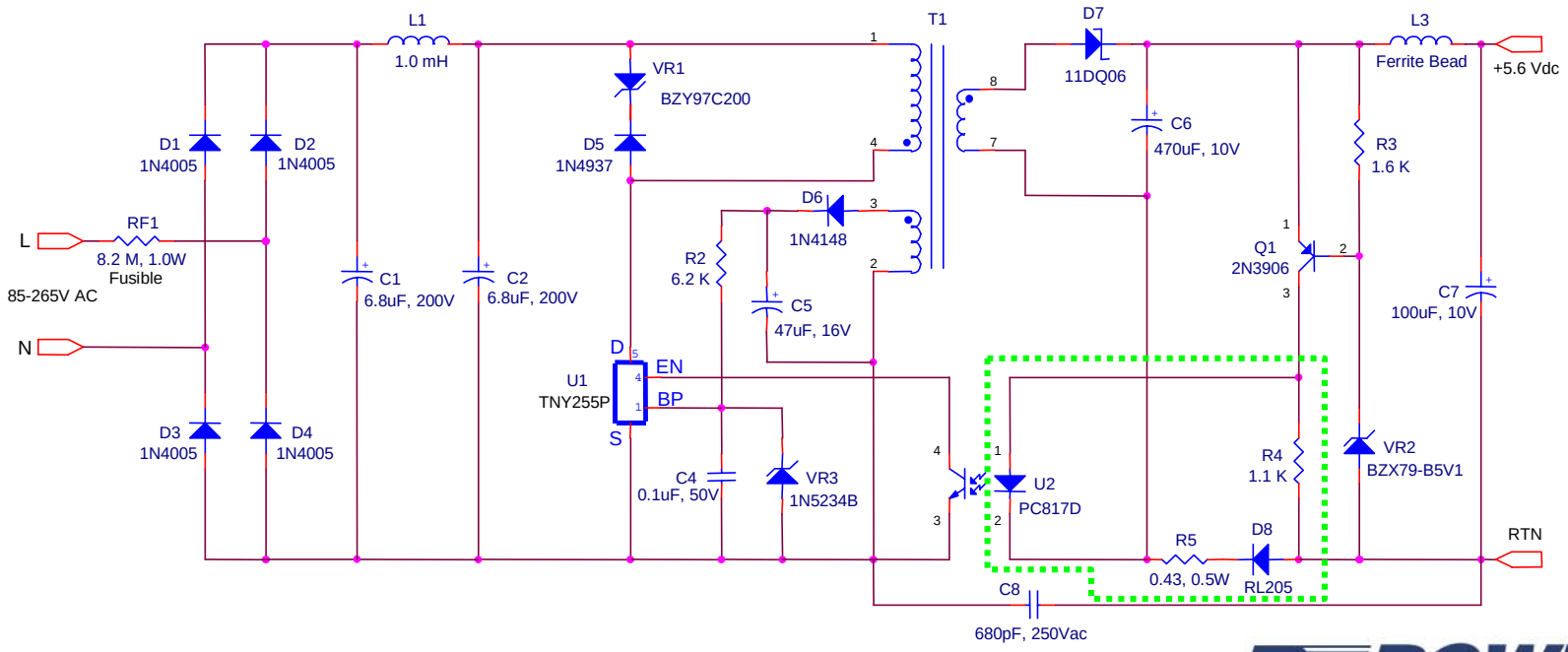
Diode-CC™ Low Cost Secondary CC Circuit

- **Uses forward drop of the opto LED (U2 below) as current limit reference with low cost diode (D8 below) in current path to provide thermal compensation**
  - When combined voltage across D8 and R5 equals the forward voltage drop of the opto LED, the output current is regulated
  - Most power is dissipated by diode D8 so R5 is low cost (low power rating)
  - Compared to other CC circuits this typically eliminates a thermistor, wire wound resistor and capacitor – up to $0.05 in high volume