



- a. RT,CT is requested for determining the turn on duty in continuous mode applications.
- b. RT,CT are removed and pin7 of U1 connects to pin3 of U1 if make sure power is always working in discontinuous mode .

**Schematic 1 Non-synchronous signal type with AUX winding application**

Schematic 1 is a non-synchronous signal type with AUX winding application , the AUX winding is designed to provide the supply voltage about 10V ~15V , the supply voltage via the diode D1 to VCC of the U1 without any capacitor .

In the continuous mode, to change the values of the external resistor RT and capacitor CT that can set the fixed maximum turn-on duty for the synchronous rectification MOSFET.

In the discontinuous mode , current detect pin5 can sense the voltage drop of the MOSFET , if it is under 20mV ,this IC will turn off the MOSFET .