**Minimum Load Current**

For boundary between DCM and CCM,

where

**For Vs = 24 V and D = 0.295 ,**

**For Vs = 48 V and D = 0.1725 ,**

**Min-Max transformer current**

Assume ripple of the current flowing through the Lm is 40%. The power absorbed by the load resistor must be the same as that supplied by the source. Turn ratio of our transformer is 1.

where Pout = 60 W

**For D = 0.295 and Vs = 24 V,**

Thus,

**For D = 0.1725 and Vs = 48 V,**

Thus,