

$$Efficiency = 0.7$$

$$K_{RF} = 0.01$$

$$I_{ds}^{rms} = 3.69A$$

$$B = 0.1T \text{ (iteratively)}$$

$$frequency = 32000Hz$$

$$A_p = 15600$$

We choose 00K4022E090 as the core (E core)

$$N_{Primary,min} = 13.18$$

$$N_{primary} = 15$$

$$L_m = 59.6\mu H$$

$$I_{secondary}^{rms} = 2.6A$$

$$I_{reset} = 1.95A$$