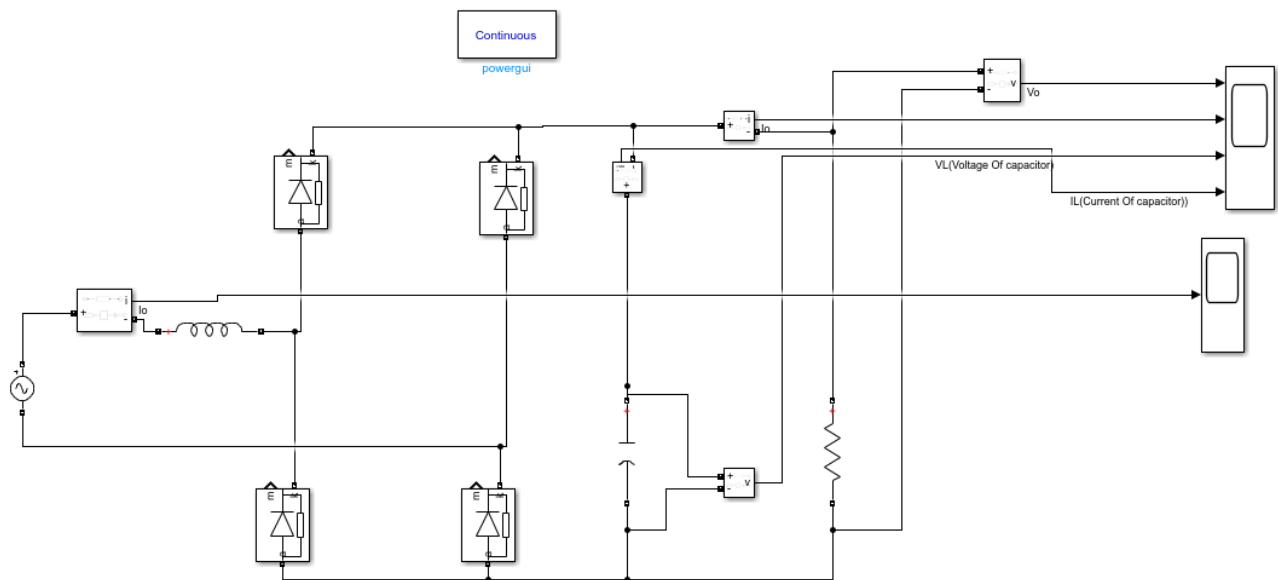
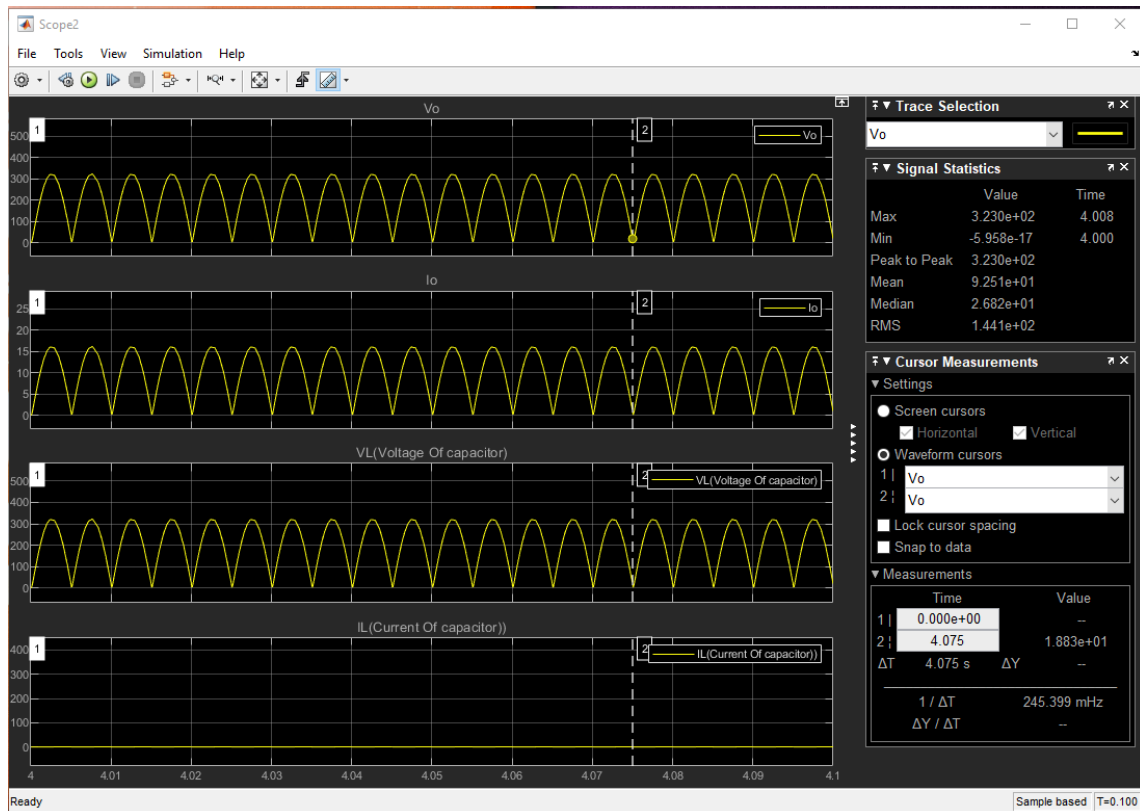


## Single-phase full- bridge-controlled rectifier:

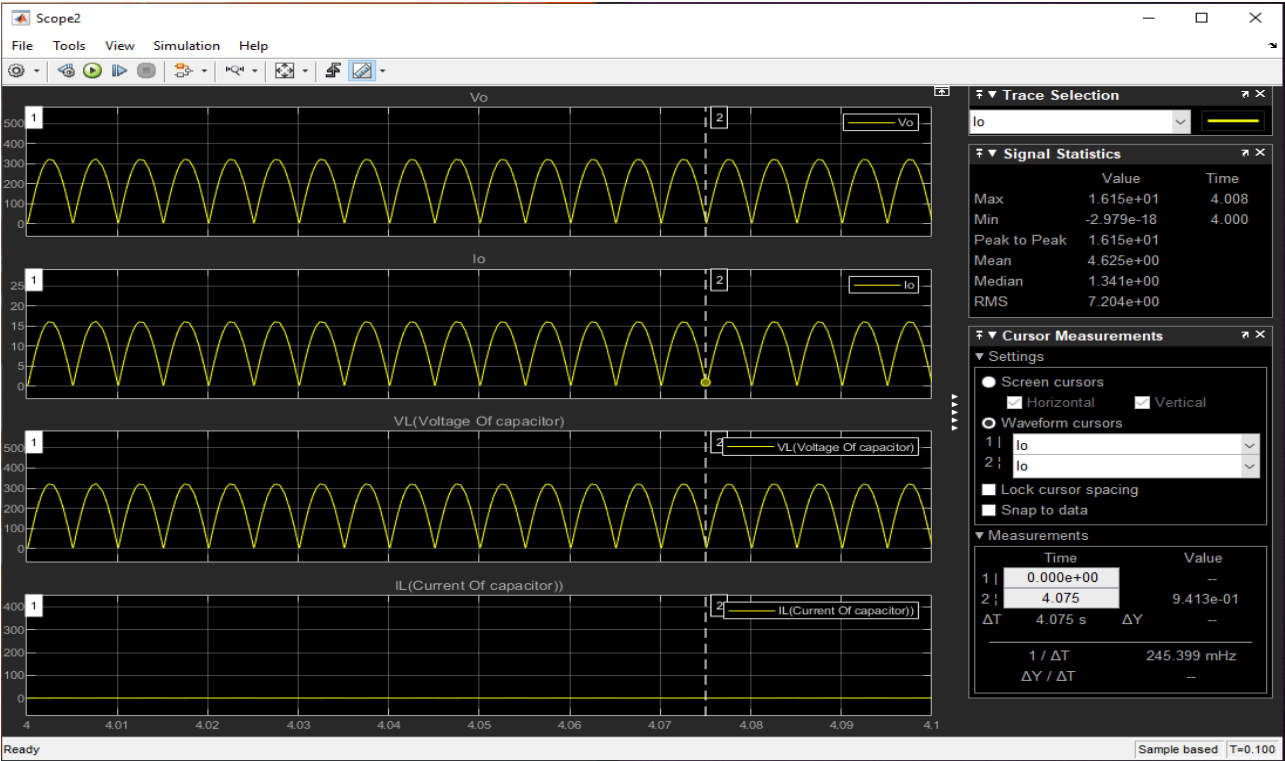


1.  $L$  values:  $2\text{ mH}$ ,  $R=20\text{ ohm}$ ,  $C=1\text{ mF}$

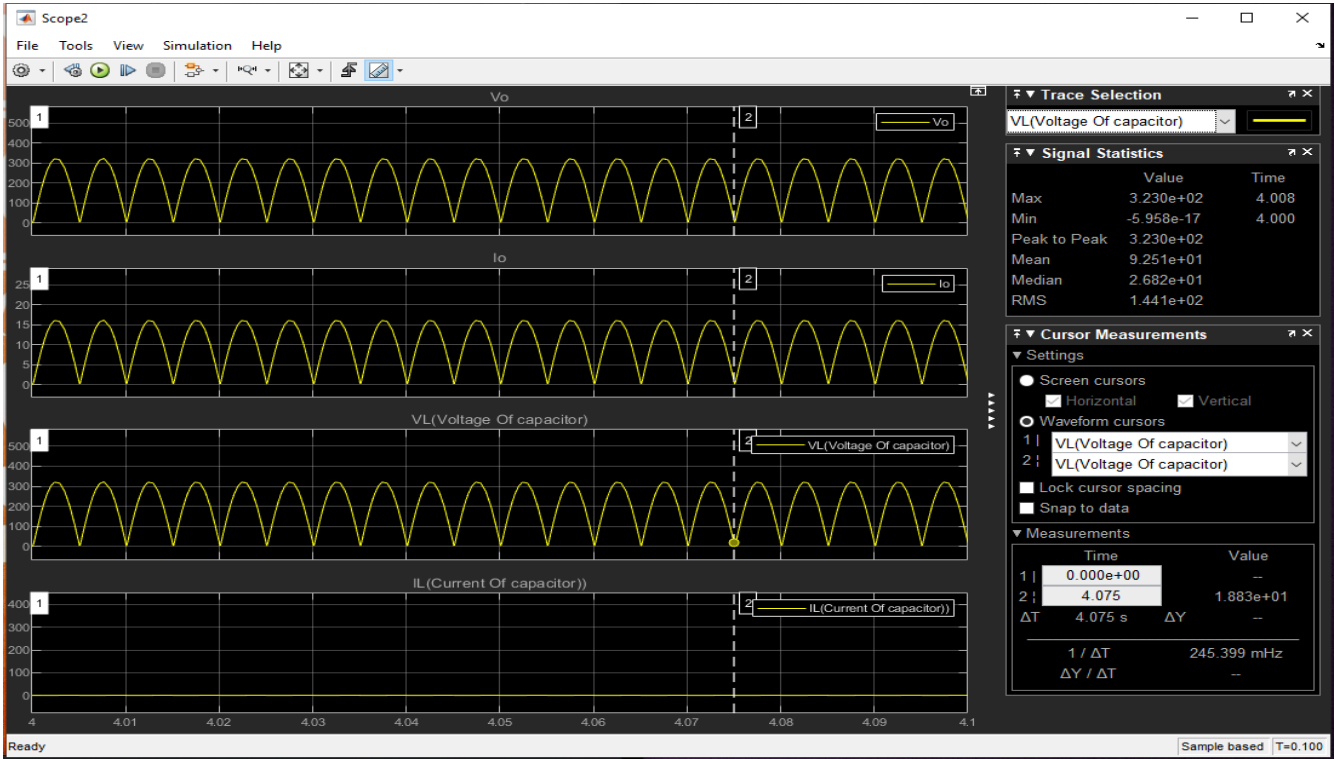
a)  $V_o$ (Voltage of Resister Load)



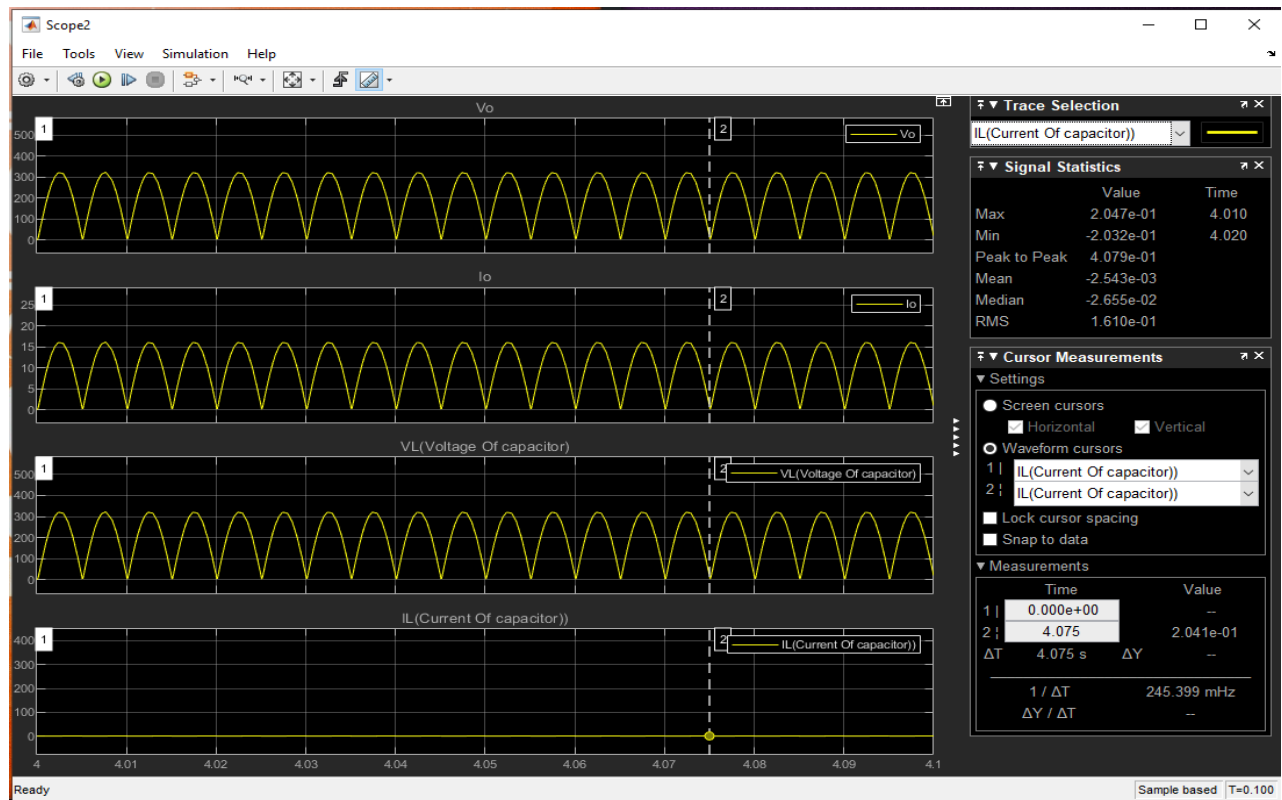
b)  $I_o$ (Current of Resister Load)



c) VL(Voltage of Capacitor Load)

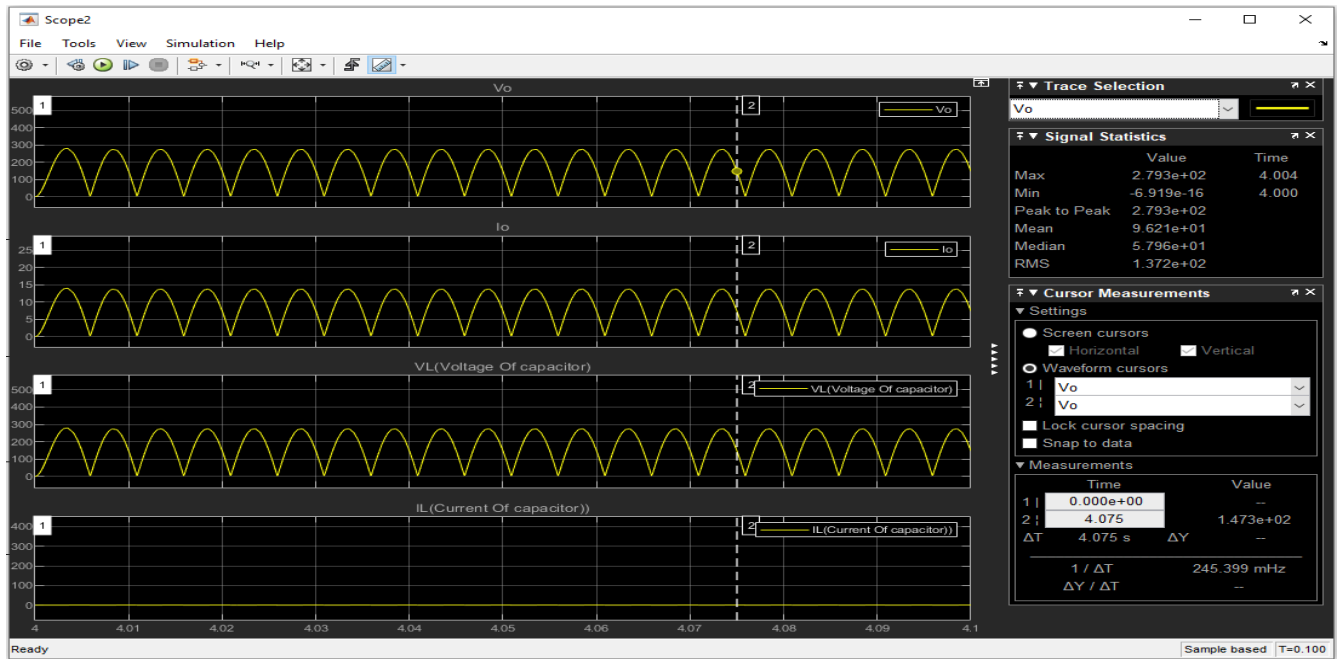


d)  $I_L$ (Current of capacitor Load)

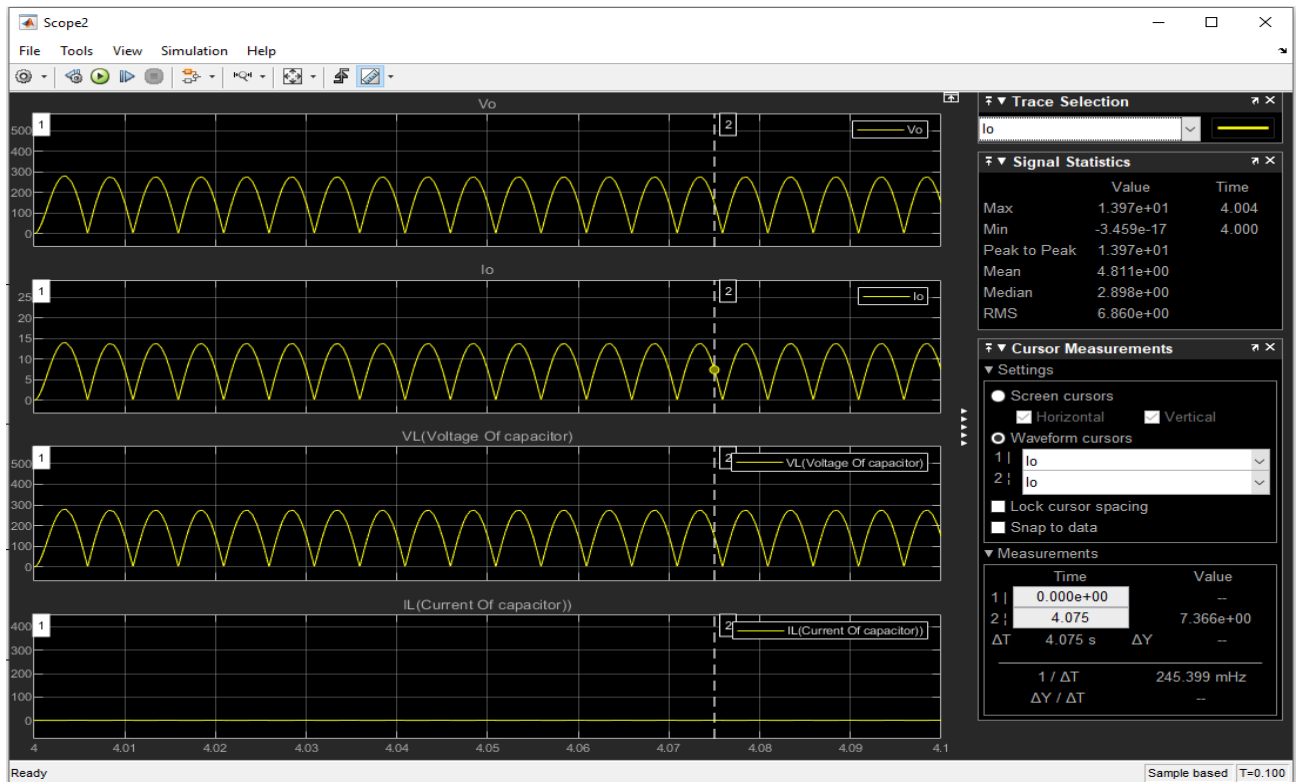


2. L values: 20 mH ,  $R=20$  ohm,  $C=1$  mF

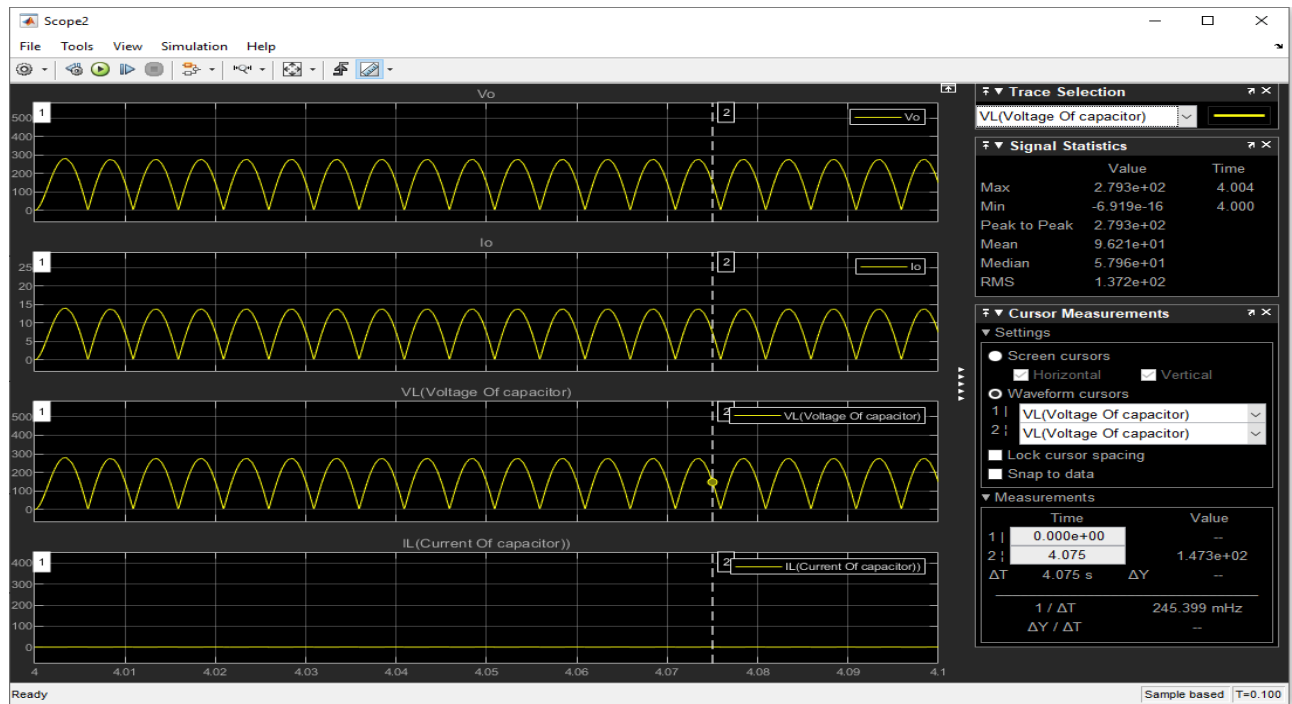
a)  $V_o$ (Voltage of Resister Load)



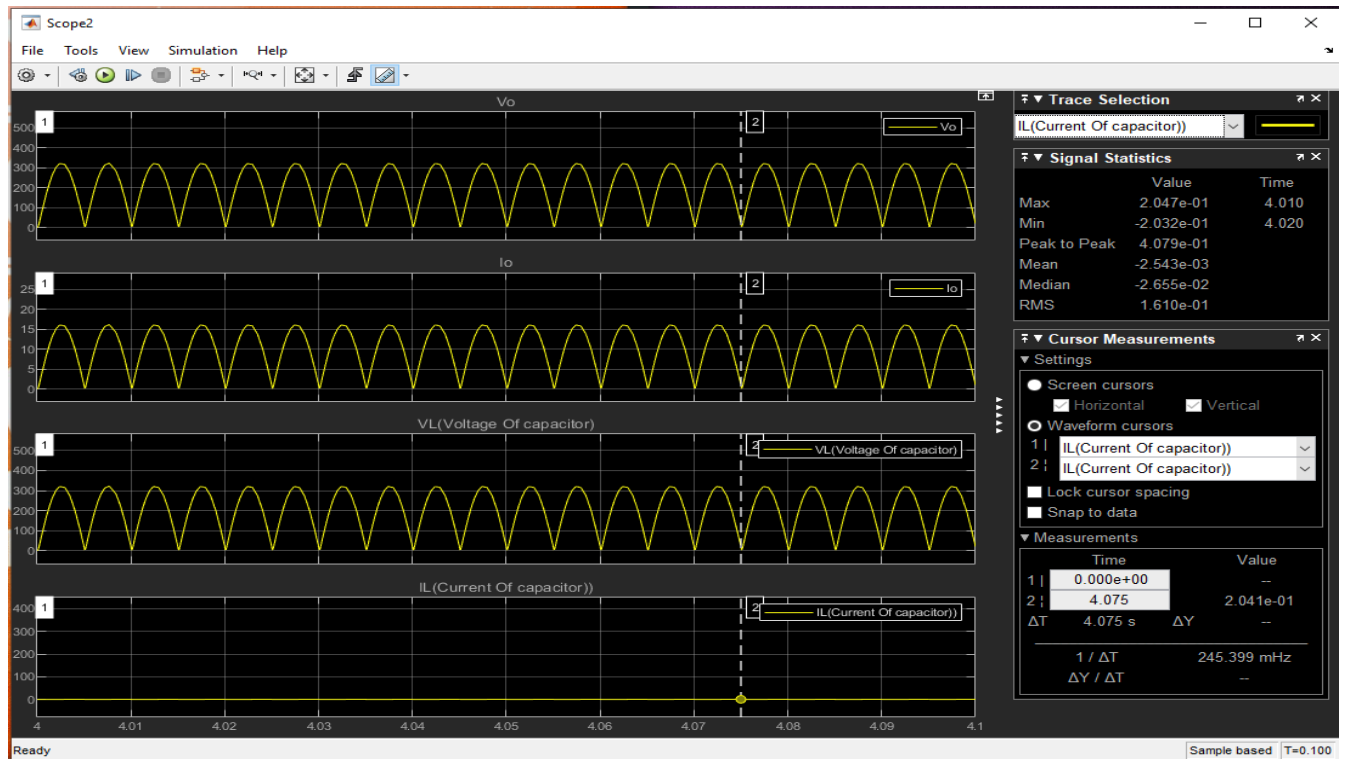
b) Io(Current of Resister Load)



c) VL(Voltage of Capacitor Load)



d) IL(Current of capacitor Load)



Input Current Source :

