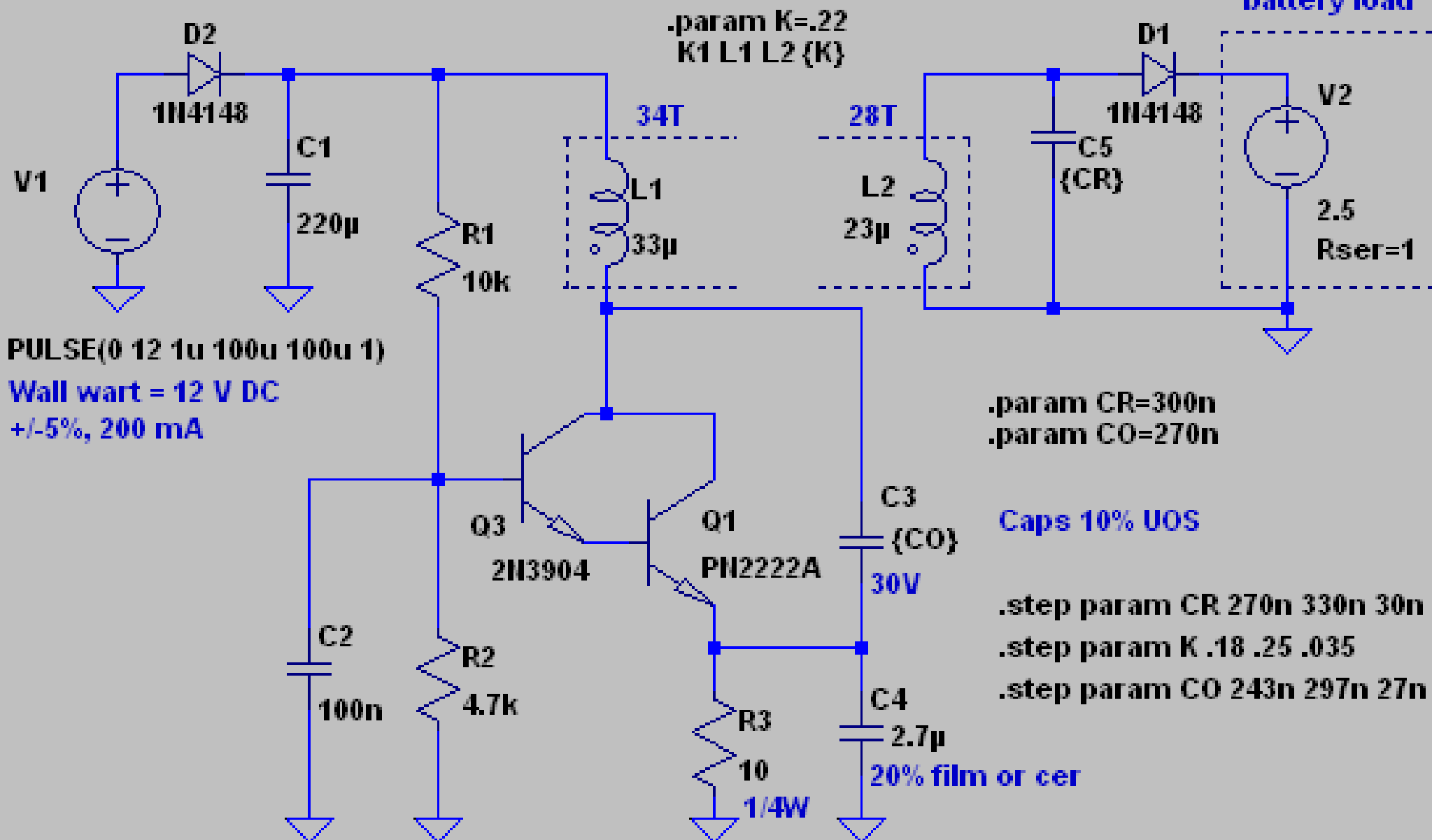


battery load



.param K=.22
K1 L1 L2 {K}

34T

L1

33μ

28T

L2

23μ

.param CR=300n
.param CO=270n

Caps 10% UOS

.step param CR 270n 330n 30n
.step param K .18 .25 .035
.step param CO 243n 297n 27n

C3
{CO}
30V

C4
2.7μ
20% film or cer

.model PN2222A NPN(Is=14.34f Xti=3 Eg=1.11 Vaf=74.03 Bf=255.9 Ne=1.307
+ Ise=14.34f Ikf=.2847 Xtb=1.5 Br=6.092 Nc=2 Isc=0 Ikr=0 Rc=1
+ Cjc=7.306p Mjc=.3416 Vjc=.75 Fc=.5 Cje=22.01p Mje=.377 Vje=.75
+ Tr=46.91n Tf=411.1p Itf=.6 Vtf=1.7 Xtf=3 Rb=10)