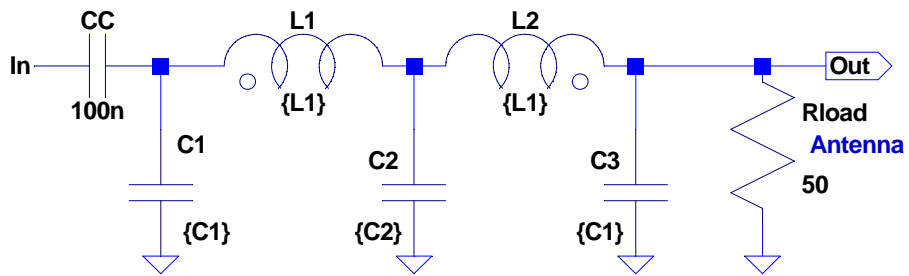


TRANSCEIVER CW F8EOZ - PA Output filter - V 14/02/2013 15:40  
Half-wave filter

.STEP PARAM m 0.9 1.2 0.1

.PARAM Z=50 F=14.1Meg AL=3n ; Edit your parameters



```
.func twopif(F) {2*pi*F}
.func L(XL,F) {XL/twopif(F)}
.func C(XC,F) {1/(XC*twopif(F))}
.func n(Lx, AL) {sqrt(Lx/AL)}
```

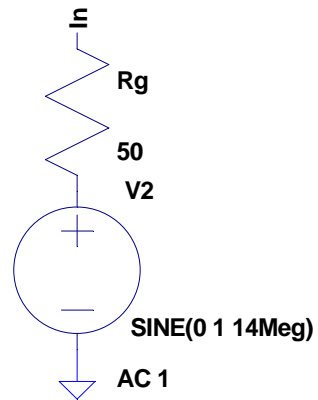
```
.PARAM Fm=F*m XL=Z XC1=Z XC2=Z/2
.PARAM L1=L(XL,Fm)
.PARAM C1=C(XC1,Fm)
.PARAM C2=C(XC2,Fm)
.PARAM n1=n(L1,AL)
```

```
.MEAS Fm_ PARAM Fm
.MEAS L1_ PARAM L1
.MEAS C1_ PARAM C1
.MEAS C2_ PARAM C2
.MEAS n1_ PARAM n1
```

Data compression OFF

Résolution de fréquence = 1/20us = 50KHz

Nombre d'exemples = 20us/0.1ns=200 000



```
;noise V(Out) V2 dec 10001 10 100Meg
.net I(RLoad) V2
.options plotwinsize=0
.tran 0 20us 0 0.1ns
;ac dec 100001 1Meg 100Meg
;op
```