



Equation

```

Eqn1
C=22e-9
a2=1.065
b2=1.9305
fc=3000
R=sqrt(b2)/(2*pi*fc*C)
A0=3-a2/(sqrt(b2))
R3_calc=4700
R4_calc=(A0-1)*R3_calc
gain_dB=dB(Vout.v)
gain_phase=rad2deg(unwrap(angle(Vout.v)))
  
```

dc simulation
DC1

ac simulation
AC1
Type=log
Start=1 Hz
Stop=100 kHz
Points=101

