

Caleb Alexander
VS1 0 AC 1

C1 2 1 0.1u
R1 3 2 16k
C2 4 3 47p
R2 4 3 115k

XOP 0 3 4 OPAMP1

* OPAMP MACRO MODEL

.SUBCKT OPAMP1 1 2 3
RIN 1 2 2E6
GM1 4 0 1 2 1.38E-4
R3 4 0 1E5
CC 4 5 20E-12
GM2 5 0 4 0 106
R01 3 5 150
R02 5 0 150
.ENDS OPAMP1

* ANALYSIS
* .TRAN 0.1US 10US
.ac dec 2000 10 300000
.PROBE
.END