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Enter center frequency, Fo 10e6
Enter Offset frequency, Fmin, enter 0 if none 7e6
Enter power supply voltage, Vcc (Vdd) 3
6 pf of stray cap. is assumed, Ctotal = Cstray + C1
R1 =      8306.982
R2 =      6521.305
C1 =      6.631797e-11
I1 =      0.000180571
I2 =      0.0003680245
M1 =
M2 =      5.287941
Isum =    0.003042692
Pick preferred numbers for Fvco vs Vcoinput? y/n? y
Note, IN NO CASE SHOULD R1 OR R2 BE LESS THAN 3000 Ohm!!
Enter preferred value of C1 68e-12
Enter preferred value of R1 8.2e3
Enter preferred value of R2 6.8e3
Vcoin      Fvco      Isum
1          9820885    0.003033998
1.5        1.079928e+07 0.003402202
2          1.154803e+07 0.003769507
2.5        1.234166e+07 0.004136143

Ko =      1.085196e+07 radians/volt

Frequency to Voltage Gain:
(2pi / 1.085196e+07 rad/V) * -2 (100kohm / 5.6kohm)
= -20.67824386 mV/kHz

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Rev:
Id: 1/1