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* SPICE netlist written by S-Edit Win32 8.10
* Written on Jan 16, 2004 at 11:41:34

* Waveform probing commands
.probe
.options probefilename="C:\ASIC\RingOsc.dat"
+ probesdbfile="C:\ASIC\INV.sdb"
+ probetopmodule="RingOsc"

.SUBCKT INV IN OUT Gnd Vdd
M1 OUT IN Gnd Gnd EN3 L=0.35u W=0.8u AD=1p PD=4u
* AS=66p PS=24u
M2 OUT IN Vdd Vdd EP3 L=0.35u W=2.4u AD=6p PD=10u
* AS=66p PS=24u
.ENDS

* Main circuit: RingOsc
.include C:/Tanner/TSpice90/models/ptyp.md
.include C:/Tanner/TSpice90/models/ntyp.md
*C1 N3 Gnd 400ff
XINV_1 N3 N2 Gnd Vdd INV
XINV_2 N2 N4 Gnd Vdd INV
XINV_3 N4 N5 Gnd Vdd INV
XINV_4 N5 N6 Gnd Vdd INV
XINV_5 N6 N7 Gnd Vdd INV
XINV_6 N7 N8 Gnd Vdd INV
XINV_7 N8 N3 Gnd Vdd INV
vvdd Vdd Gnd 3.3
.tran/powerup 0.01n 30n
.print tran N5 N6
* End of main circuit: RingOsc

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