

Apéndice C

Netlist

En este apéndice se muestra el archivo de salida del circuito simulado por Orcad 9.2.

```
****      CIRCUIT DESCRIPTION
*****
** Creating circuit file "bueno-schematic1-bueno1.sim.cir"
** WARNING: THIS AUTOMATICALLY GENERATED FILE MAY BE OVERWRITTEN BY SUBSEQUENT SIMULATIONS

*Libraries:
* Local Libraries :
* From [PSPICE NETLIST] section of c:\archivos de programa\Orcad\PSpice\PSpice.ini file:
.lib "nom.lib"

*Analysis directives:
.TRAN 0 33.33m 16.66m
.PROBE V(*) I(*) W(*) D(*) NOISE(*)
.INC ".\bueno-SCHEMATIC1.net"

**** INCLUDING bueno-SCHEMATIC1.net ****
* source BUENO
R_Rdx      N33089 N33153 12
V_Va      N33089 0
+SIN 0 10 60 0 0 0
D_D6      N00399 N30937 MUR105
M_M2      0 N00531 N00399 N00399 IRFZ34
C_C2y     N341031 0 2.35u
R_Rdz     N34283 N34453 12
L_Ldx     N33089 N33153 280.94u
L_L3y     N34149 N06341 496.5u
C_C1      N05751 0 205u
L_L2      N06341 N05334 571.2u
V_Vb      N33973 0
+SIN 0 10 60 0 0 -120
L_L1x     N33153 N33212 280.94u
R_R1      N05751 0 1.1k
L_L1y     N34143 N34149 280.94u
R_R2      N00365 N00399 262
L_Ldz     N34283 N34453 280.94u
L_L3      N06381 N30897 571.2u
D_D2      N00399 N30971 MUR105
L_L3x     N33212 N06281 496.5u
D_D1      N05304 N05406 MUR105
V_Vc      N34283 0
+SIN 0 10 60 0 0 -240
C_C2z     N344131 0 2.35u
L_L2x     N33212 N328651 7.73u
M_M1      N05406 N05833 0 0 IRFZ34
L_L3z     N34459 N06381 496.5u
C_C2      N00365 N00399 300u
D_D3      N05334 N05406 MUR105
D_D7      N05406 N05751 MUR105
L_L1z     N34453 N34459 280.94u
L_L2y     N34149 N341031 7.73u
C_C2x     N328651 0 2.35u
D_D5      N30897 N05406 MUR105
C_C4y     N06341 0 2.17u
C_C4x     N06281 0 2.17u
D_D8      0 N00365 MUR105
```

```
L_L2a      N06341 N30937 168.73u
V_V5      N05833 0
+PULSE 0 6 0 20n 20n 15.45u 25u
L_L1      N06281 N05304 571.2u
R_Rdy     N33973 N34143 12
L_L2z     N34459 N344131 7.73u
D_D4      N00399 N07507 MUR105
L_L3a     N06381 N30971 168.73u
C_C4z     N06381 0 2.17u
L_Ldy     N33973 N34143 280.94u
L_L1a     N06281 N07507 168.73u
V_V4      N00531 N00399
+PULSE 0 6 0 20n 20n 6.35u 25u
```

```
**** RESUMING bueno-schematic1-bueno1.sim.cir ****
.END
```

```
**** 05/02/07 16:54:25 ***** PSpice 9.2 (Mar 2000) ***** ID# 1 *****
```

```
** Profile: "SCHEMATIC1-bueno1" [ C:\Sergio\Tesis\Simulaciones Spice\bueno-schematic1-
bueno1.sim ]
```

```
**** Diode MODEL PARAMETERS
```

```
*****
```

```
          MUR105
IS        5.547000E-12
ISR       461.800000E-12
IKF       .01447
RS        .0201
TT        61.660000E-09
CJO       67.210000E-12
VJ        .75
M         .4934
XTI       0
```

```
**** 05/02/07 16:54:25 ***** PSpice 9.2 (Mar 2000) ***** ID# 1 *****
```

```
** Profile: "SCHEMATIC1-bueno1" [ C:\Sergio\Tesis\Simulaciones Spice\bueno-schematic1-
bueno1.sim ]
```

```
**** MOSFET MODEL PARAMETERS
```

```
*****
```

```
          IRFZ34
          NMOS
LEVEL     3
L         2.000000E-06
W         2
VTO      3.247
KP       20.420000E-06
GAMMA    0
PHI      .6
LAMBDA   0
RD       3.031000E-03
RS       .0381
RG       6.827
RDS     266.700000E+03
IS       1.981000E-12
JS       0
PB       .8
PBSW     .8
CBD      2.887000E-09
CJ       0
```

```

CJSW      0
TT        365.000000E-09
CGSO      472.100000E-12
CGDO      292.800000E-12
CGBO      0
TOX       100.000000E-09
XJ        0
UCRIT     10.000000E+03
DELTA     0
ETA       0
DIOMOD    1
VFB       0
LETA     0
WETA     0
U0        0
TEMP      0
VDD       0
XPART     0

```

**** 05/02/07 16:54:25 ***** PSpice 9.2 (Mar 2000) ***** ID# 1 *****

** Profile: "SCHEMATIC1-bueno1" [C:\Sergio\Tesis\Simulaciones Spice\bueno-schematic1-bueno1.sim]

**** INITIAL TRANSIENT SOLUTION TEMPERATURE = 27.000 DEG C

NODE	VOLTAGE	NODE	VOLTAGE	NODE	VOLTAGE	NODE	VOLTAGE
(N00365)	-.6013	(N00399)	-8.0589	(N00531)	-8.0589	(N05304)	0.0000
(N05334)	-8.6603	(N05406)	8.1124	(N05751)	7.5646	(N05833)	0.0000
(N06281)	0.0000	(N06341)	-8.6603	(N06381)	8.6603	(N07507)	0.0000
(N30897)	8.6603	(N30937)	-8.6603	(N30971)	8.6603	(N33089)	0.0000
(N33153)	0.0000	(N33212)	0.0000	(N33973)	-8.6603	(N34143)	-8.6603
(N34149)	-8.6603	(N34283)	8.6603	(N34453)	8.6603	(N34459)	8.6603
(N328651)	0.0000			(N341031)	-8.6603		
(N344131)	8.6603						

```

VOLTAGE SOURCE CURRENTS
NAME          CURRENT
V_Va          4.627E-12
V_Vb          2.849E-02
V_Vc         -6.907E-03
V_V5          0.000E+00
V_V4          0.000E+00

```

TOTAL POWER DISSIPATION 3.07E-01 WATTS

JOB CONCLUDED

TOTAL JOB TIME 1041.86