**Class B Power Amplifier**

.tran 1ms 3ms

.OP \* From [PSPICE NETLIST] section of c:\program files\PSpice\PSpice.ini:

.lib "nom.lib" .INC "rss class b.net" \*\*\*\* INCLUDING "rss class b.net" \*\*\*\*

Q\_Q1 $N\_0002 $N\_0001 $N\_0003 Q2N3904

V\_V2 $N\_0002 0 25V

V\_V3 0 $N\_0004 25V

C\_C1 $N\_0005 $N\_0001 100u

C\_C2 $N\_0005 $N\_0006 100u

V\_V1 $N\_0005 0 DC 0v AC 1v

+SIN 0v 1v 1k 0 0 0

R\_R1 0 $N\_0003 10k

Q\_Q3 $N\_0004 $N\_0006 $N\_0003 Q2N3906

.PROBE V(\*) I(\*) W(\*) D(\*) NOISE(\*) .END

` Q2N3904 Q2N3906

 NPN PNP

 IS 6.734000E-15 1.410000E-15

 BF 416.4 180.7

 NF 1 1

 VAF 74.03 18.7

 IKF .06678 .08

 ISE 6.734000E-15

 NE 1.259

 BR .7371 4.977

 NR 1 1

 RB 10 10

 RC 1 2.5

 CJE 4.493000E-12 8.063000E-12

 MJE .2593 .3677

 CJC 3.638000E-12 9.728000E-12

 MJC .3085 .5776

 TF 301.200000E-12 179.300000E-12

 XTF 2 6

 VTF 4 4

 ITF .4 .4

 TR 239.500000E-09 33.420000E-09

 XTB 1.5 1.5

 CN 2.42 2.2

 D .87 .52

 NODE VOLTAGE NODE VOLTAGE NODE VOLTAGE NODE VOLTAGE

($N\_0001) .2765 ($N\_0002) 25.0000

($N\_0003)-16.75E-06 ($N\_0004) -25.0000

($N\_0005) 0.0000 ($N\_0006) -.3456

 VOLTAGE SOURCE CURRENTS

 NAME CURRENT

 V\_V2 -4.621E-10

 V\_V3 -2.138E-09

 V\_V1 0.000E+00

 TOTAL POWER DISSIPATION 6.50E-08 WATTS

NAME Q\_Q1 Q\_Q3

MODEL Q2N3904 Q2N3906

IB 1.30E-19 4.34E-19

IC 4.62E-10 -2.14E-09

VBE 2.77E-01 -3.46E-01

VBC -2.47E+01 2.47E+01

VCE 2.50E+01 -2.50E+01

BETADC 3.55E+09 -4.93E+09

GM 1.53E-08 8.02E-08

RPI 9.65E+08 5.22E+09

RX 1.00E+01 1.00E+01

RO 1.76E+11 1.94E+10

CBE 5.06E-12 1.01E-11

CBC 1.23E-12 1.27E-12

CJS 0.00E+00 0.00E+00

BETAAC 1.47E+01 4.19E+02

CBX/CBX2 0.00E+00 0.00E+00

FT/FT2 3.87E+02 1.12E+03

NODE VOLTAGE NODE VOLTAGE NODE VOLTAGE NODE VOLTAGE

($N\_0001) .2765 ($N\_0002) 25.0000

($N\_0003)-16.75E-06 ($N\_0004) -25.0000

($N\_0005) 0.0000 ($N\_0006) -.3456

VOLTAGE SOURCE CURRENTSNAME CURRENT V\_V2 -4.621E-10V\_V3 -2.138E-09 V\_V1 0.000E+00

TOTAL POWER DISSIPATION 6.50E-08 WATTS JOB CONCLUDED TOTAL JOB TIME .02

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