.tran 1ms 3ms

.lib "nom.lib"

.INC "rss dual.net"

V\_V4 $N\_0001 0 12V

V\_V3 0 $N\_0002 12V

R\_R1 $N\_0002 $N\_0003 1k

Q\_Q2 $N\_0004 0 $N\_0003 Q2N3904

V\_V1 $N\_0005 0 DC 0v AC 100mv

+SIN 0v 100mv 1khz 0 0 0

R\_R2 $N\_0006 $N\_0001 1k

Q\_Q1 $N\_0006 $N\_0005 $N\_0003 Q2N3904

R\_R7 0 $N\_0004 1k

R\_R3 $N\_0004 $N\_0001 1k

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

.END

Q2N3904

NPN

IS 6.734000E-15

BF 416.4

NF 1

VAF 74.03

IKF .06678

ISE 6.734000E-15

NE 1.259

BR .7371

NR 1

RB 10

RC 1

CJE 4.493000E-12

MJE .2593

CJC 3.638000E-12

MJC .3085

TF 301.200000E-12

XTF 2

VTF 4

ITF .4

TR 239.500000E-09

XTB 1.5

CN 2.42

D .87

NODE VOLTAGE NODE VOLTAGE NODE VOLTAGE NODE VOLTAGE

($N\_0001) 12.0000 ($N\_0002) -12.0000

($N\_0003) -.7106 ($N\_0004) 3.2485

($N\_0005) 0.0000 ($N\_0006) 6.2810

VOLTAGE SOURCE CURRENTS

NAME CURRENT

V\_V4 -1.447E-02

V\_V3 -1.129E-02

V\_V1 -3.368E-05

TOTAL POWER DISSIPATION 3.09E-01 WATTS

JOB CONCLUDED

TOTAL JOB TIME .02

