Q5 and Q6 on small heatsink.
Q8, Q9, Q10, M1, M2, M3. and M4 on main heatsink.
Biar current =150mA.

FH12
PM 81 GM 18
94W/8Ohm, 1kHz   -> 0.002086%
94W/8Ohm, 20kHz -> 0.015633%
SR 262
PSRR 1kHz -> 122

C11 = Silver Mica
C7, C9, C12 = MKP
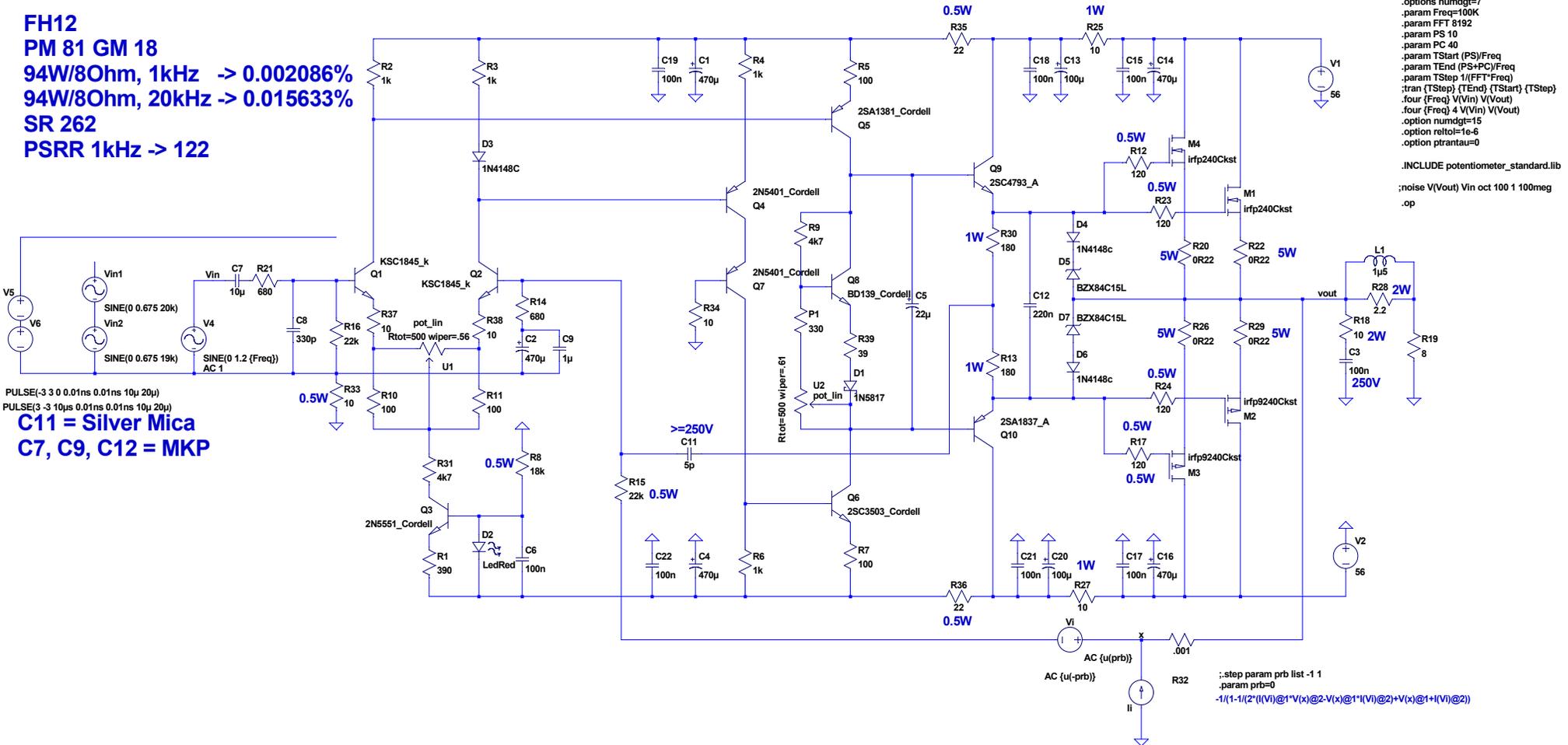
;ac dec 1k 1 1g
.options plotwinsize=0
.options method=gear
.options numdgt=7
.param Freq=100K
.param FFT 8192
.param PS 10
.param PC 40
.param TStart (PS)/Freq
.param TEnd (PS+PC)/Freq
.param TStep 1/(FFT*Freq)
;tran {TStep} {TEnd} {TStart} {TStep}
.four {Freq} V(Vin) V(Vout)
.four {Freq} 4 V(Vin) V(Vout)
.option numdgt=15
.option reltol=1e-6
.option ptrantau=0

.INCLUDE potentiometer_standard.lib

;noise V(Vout) Vin oct 100 1 100meg
.op

PULSE(-3 3 0 0.01ns 0.01ns 10µ 20µ)
PULSE(3 -3 10µs 0.01ns 0.01ns 10µ 20µ)

SINE(0 0.675 20k)
SINE(0 0.675 19k)
SINE(0 1.2 {Freq})
AC 1

Vin1
Vin2
Vin
V4
V5
V6
C7 10µ
R21 680
C8 330p
R16 22k
R37 10
pot_lin Rtot=500 wiper=.56
U1
R38 10
R14 680
C2 470µ
C9 1µ
R33 10
R10 100
R11 100
R31 4k7
Q3 2N5551_Cordell
R1 390
D2 LedRed
C6 100n
R8 18k

R2 1k
R3 1k
D3 1N4148C
Q1 KSC1845_k
Q2 KSC1845_k

C19 100n
C1 470µ
R4 1k
Q4 2N5401_Cordell
2N5401_Cordell Q7
R9 4k7
R34 10
BD139_Cordell Q8
P1 330
R39 39
D1 1N5817
U2 pot_lin Rtot=500 wiper=.61
C5 22µ
R15 22k
C11 5p >=250V
C22 100n
C4 470µ
R6 1k
Q6 2SC3503_Cordell
R7 100

R5 100
2SA1381_Cordell Q5
Q9 2SC4793_A
R30 180 1W
R13 180 1W
2SA1837_A Q10
C12 220n

R35 22 0.5W
C18 100n
C13 100µ
D4 1N4148c
D5 BZX84C15L
D7 BZX84C15L
D6 1N4148c

R25 10 1W
C15 100n
C14 470µ

R12 120 0.5W
M4 irfp240Ckst
R23 120 0.5W
M1 irfp240Ckst
R20 0R22 5W
R22 0R22 5W
R26 0R22 5W
R29 0R22 5W
R24 120 0.5W
M2 irfp9240Ckst
R17 120 0.5W
M3 irfp9240Ckst

V1 56

L1 1µ5
R28 2.2 2W
vout
R18 10 2W
C3 100n 250V
R19 8

C21 100n
C20 100µ 1W
C17 100n
C16 470µ
R36 22 0.5W
R27 10
V2 56

Vi
AC {u(prb)}
AC {u(-prb)}
x
R32 .001
Ii

;.step param prb list -1 1
.param prb=0
-1/(1-1/(2*(I(Vi)@1*V(x)@2-V(x)@1*I(Vi)@2)+V(x)@1+I(Vi)@2))

--- E:\LTSpice\FH12 mod ver2.asc ---