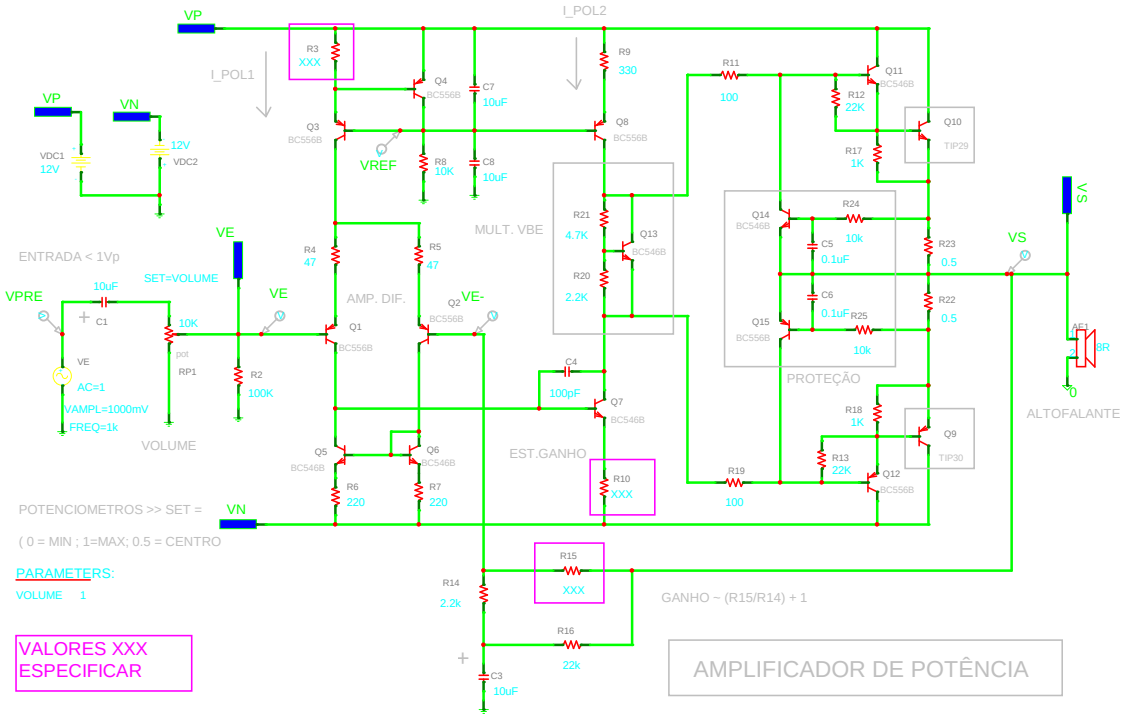
VP
VN
VDC1
12V
VDC2
12V
I_POL1
I_POL2
R3
XXX
Q4
BC556B
C7
10uF
Q3
BC556B
VREF
R8
10K
C8
10uF
R9
330
Q8
BC556B
R11
100
Q11
BC546B
R12
22K
Q10
TIP29
R17
1K
MULT. VBE
R21
4.7K
Q13
BC546B
R20
2.2K
Q14
BC546B
R24
10k
C5
0.1uF
C6
0.1uF
Q15
BC556B
R25
10k
PROTEÇÃO
R23
0.5
R22
0.5
VS
ENTRADA < 1Vp
VE
SET=VOLUME
VPRE
10uF
C1
10K
pot
RP1
VE
AC=1
VAMPL=1000mV
FREQ=1k
VOLUME
R2
100K
R4
47
R5
47
AMP. DIF.
Q1
BC556B
Q2
BC556B
VE-
C4
100pF
Q7
BC546B
EST.GANHO
R10
XXX
Q5
BC546B
Q6
BC546B
R6
220
R7
220
R18
1K
Q9
TIP30
R13
22K
Q12
BC556B
R19
100
AP1
8R
0
ALTOFALANTE
POTENCIOMETROS >> SET =
(0 = MIN ; 1=MAX; 0.5 = CENTRO
PARAMETERS:
VOLUME 1
R15
XXX
R14
2.2k
R16
22k
C3
10uF
GANHO ~ (R15/R14) + 1
VALORES XXX
ESPECIFICAR
AMPLIFICADOR DE POTÊNCIA