

EXAMPLE VALUES FOR VG2 800 V, 100 mA MAX

VAC= 750 TO 800 V
WITH R3 = 56 k & R20 = 270 k, V G2 = 750 TO 850 V
R2 & R11= 8.2M 3500 V, Q1= STW11NK100Z
R1 = 68k, R12 = 3k, R14 = 1.5k

VALUES FOR VG2 350 V, 100 mA MAX

VAC= 350 TO 400 V
WITH R3 = 39 k & R20 = 47 k, V G2 = 300 TO 400 V
R2 & R11= 1M 500 V, Q1= STW11NK100Z
R1 = 33k, R12 = 1.5k, R14 = 1k

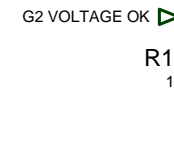
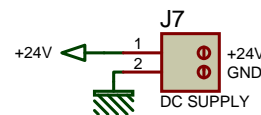
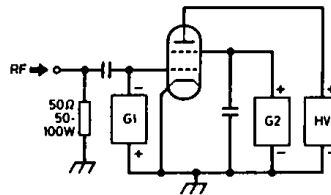
TRIP RELAY RL1 CLOSES IF VOLTAGE AND CURRENT ARE OK.
RELAY OPENS ON CURRENT SURGE > ~ 0.1 SECONDE,
THEN AUTOMATICALLY CLOSES (IF FUSES OK)
AFTER ABOUT 1 SECONDE,
(STAYS OPEN IF STILL TO HIGH CURRENT)

LE RELAIS RL1 SE FERME SI TENSION ET COURANT SONT OK,
LE RELAIS S'OUVRE SUR CRETE DE COURANT > ~ 0.1 SECONDE,
PUIS SE REFERME AUTOMATICQUEMENT (SI FUSIBLES OK)
APRES ENVIRON 1 SECONDE,
(RESTE OUVERT SI LE COURANT EST TOUJOURS TROP FORT)



FOR R1, R12 & R14 VALUES, SEE EXCEL CALCULATION SHEET

FOR R2 & R11, R3 & R20, Q1 VALUES, SEE BILL OF MATERIALS



REV 6b: ADDED FU2 TO INCREASE BREAKING CAPACITY WITH HIGH VOLTAGE

TETRODE AMPLIFIER DESIGN SUITE

G2 1000 V MAX POWER SUPPLY & SAFETY TRIP

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