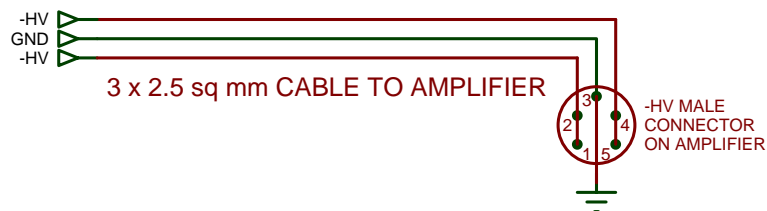
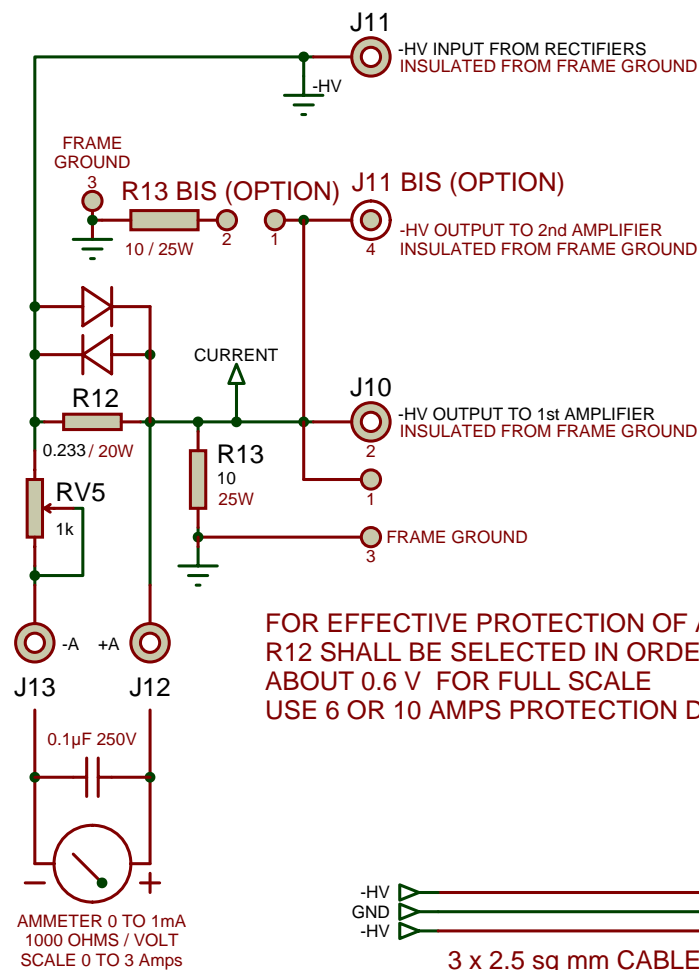


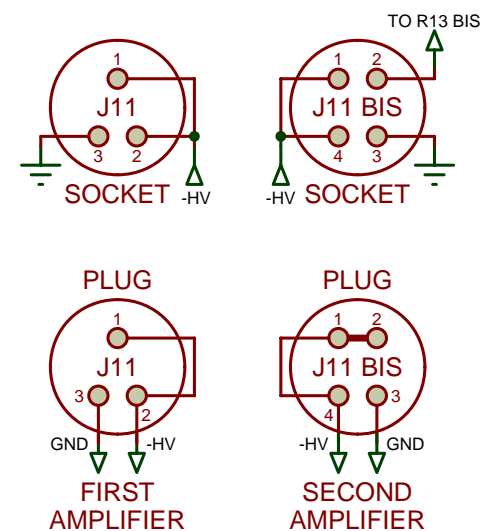
3 DISC CAPACITORS 10 TO 100 nF / 1000V
TO BE SOLDERED BETWEEN -HV AND GROUND

HV POWER SUPPLY METERS & TRIP ON OVER VOLTAGES & CURRENTS

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BY: F1FRV@FREE.FR
DOC N°: AMATEUR RADIO



SPECIAL ARRANGEMENT FOR 1 OR 2 AMPLIFIERS USING A COMMON POWER SUPPLY (OPTIONAL)



CABLES 3x2.5 SQMM
TO AMPLIFIERS

**NEVER USE SECOND AMPLIFIER ALONE
WITHOUT FIRST AMPLIFIER CONNECTED.**
GRID CURRENT MEASUREMENT AND PROTECTION
CIRCUITS WOULD SEE FALSE VALUE

3, 4, 5 PINS CONNECTORS ARE XLR SERIES

HV POWER SUPPLY METERS & TRIP
CONNECTIONS TO AMPLIFIER

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All values are given as practical example.

Adapt the values of shunts, resistors and voltages to your need.

High voltage resistors are SFERNICE or PHILIPS type VR37 rated 0.5W @ 3.5kV

Relay is NAIS-MATSUSHITA type S2-24V. It is used to trip mains supply.

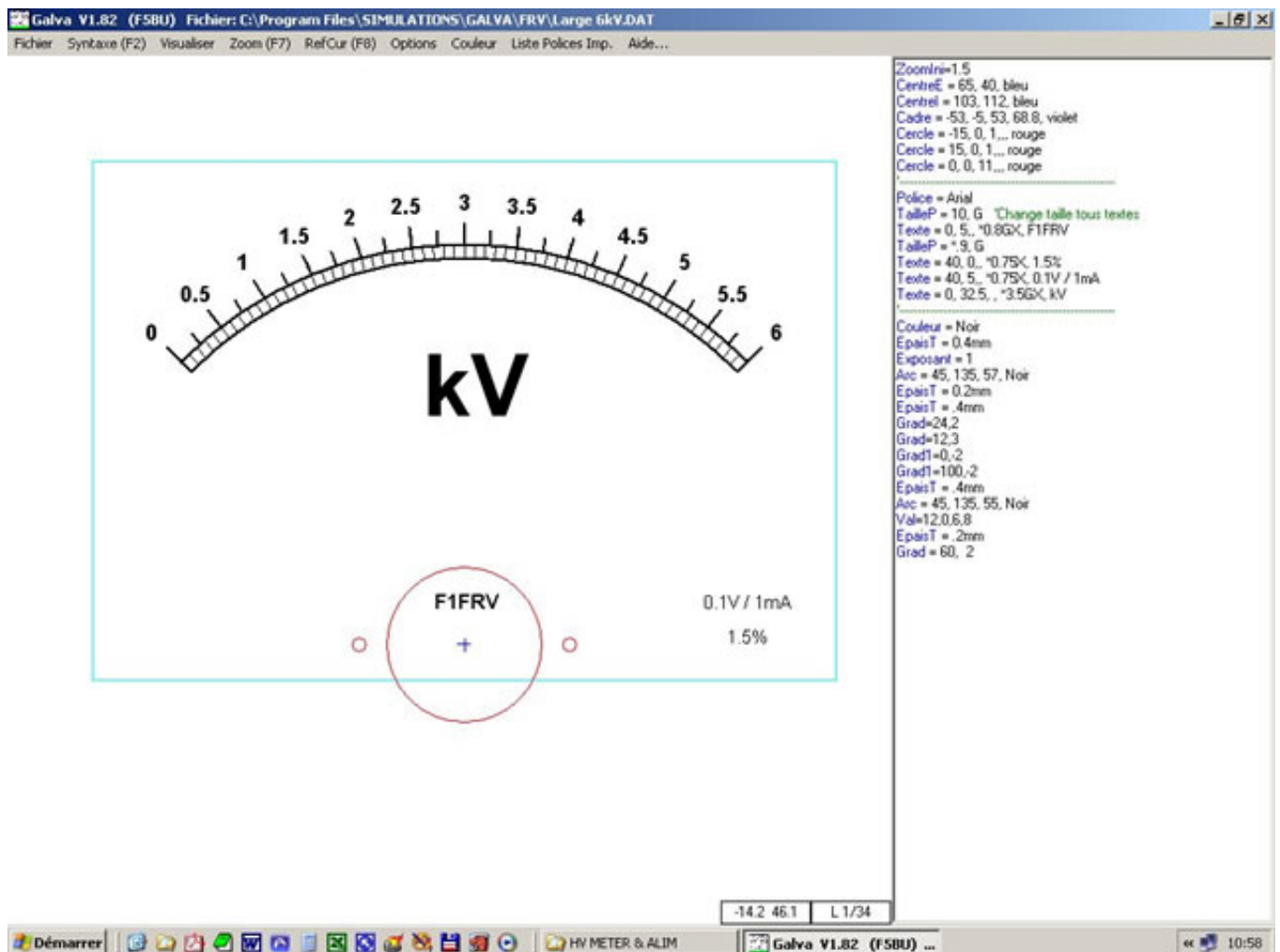
The power on mains circuit MUST be “fugitive” with push button and auto maintain loop on mains power relay.

Q1, Q2, Q3 can be any VMOS or MOSFET able to switch 0.1Amp

All components are available at RADIOSPARES or FARNELL

Printed circuit board dimensions: 78.5 x 100 mm

Meter scales can be made with F5BU's freeware “GALVA” available on the net



Enjoy

That's all Folks !!!

2 STRAPS ON PCB



