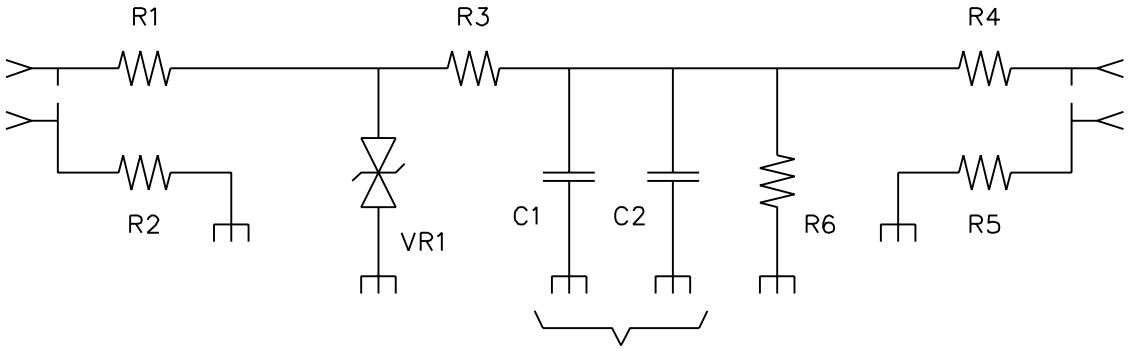
T962 Wire Bias Voltage Input Filter

Wire Bias Voltage from the Supply Filter Input Insulated SHV Connector

Wire Bias Voltage to the Cryostat Filter Output Insulated SHV Connector (see note below)



Good Ground Connection to the Filter Box and through the Filter Mounting Bracket to the Cryostat.

R1 20k Ohm	R6 100 Meg. Ohm
R2, R4, R5 200 Ohm	C1, C2 0.47 uFd 1000V
R3 50k Ohm	Varistor 600V

Each Bias Voltage Input Filter needs to be attached to a bracket that is welded onto the cryostat flange plate. This mounting is both for the mechanical support of the filter and to provide the main ground connection to the filter.

If the SHV cable run from the Output of the Bias Voltage Filter to the Bias Voltage Feedthrough is very short (small loop area) then R4 and R5 could be eliminated and the filter's SHV output connector could be mounted directy on the metal box that holds the filter.

If there is room in the box for a C3 and C4 it may be useful to double the amount of capacitance in the filter.

All ground symbols in this drawing are to a copper plate in the filter box that is well connected to the mounting bracket that both supports and grounds the filter.

Rev. 13-JAN-2008