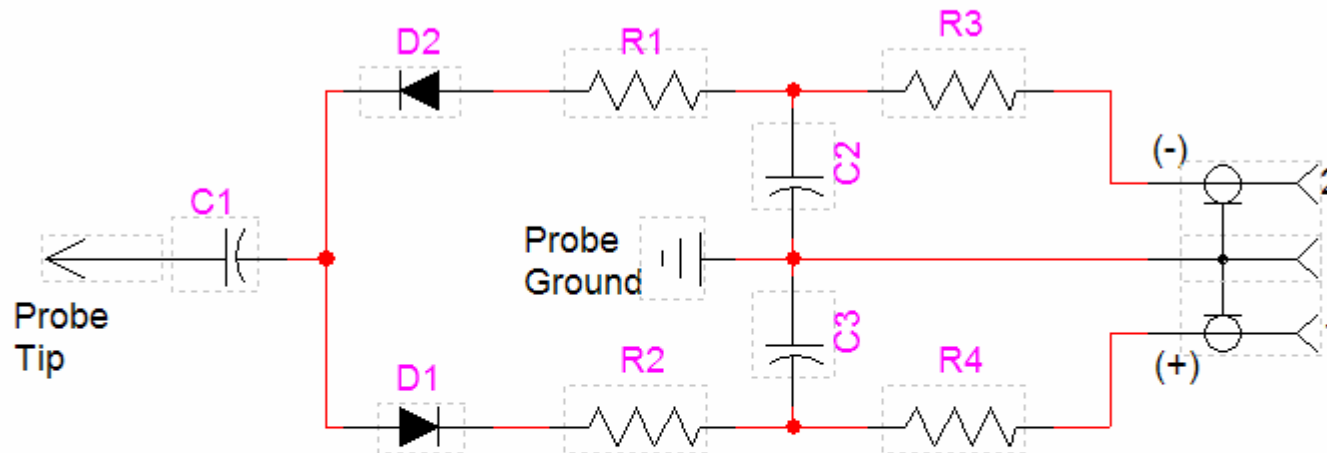


RF PROBE FOR BOONTON RF VOLTMETERS



C1 - 1000 pF / 50V Allows the response to start around 10 KHz.

D1, D2 - Diodes such as 1S2198N or

1SS99 zero bias Schottky diodes 5V PIV, 0.9 pF, 0.23V @ 1 mA
Germanium diodes are a second choice.

R1, R2 - 150 or 160 ohms (use equal values).

R3, R4 - 330 up to 1000 ohms (use equal values).

C2, C3 - 0.1 uF surface mount capacitors.

Use separate coax cables as shown. 50 or 75 ohm coax cables will do.

RF PROBE FOR BOONTON POWER METERS

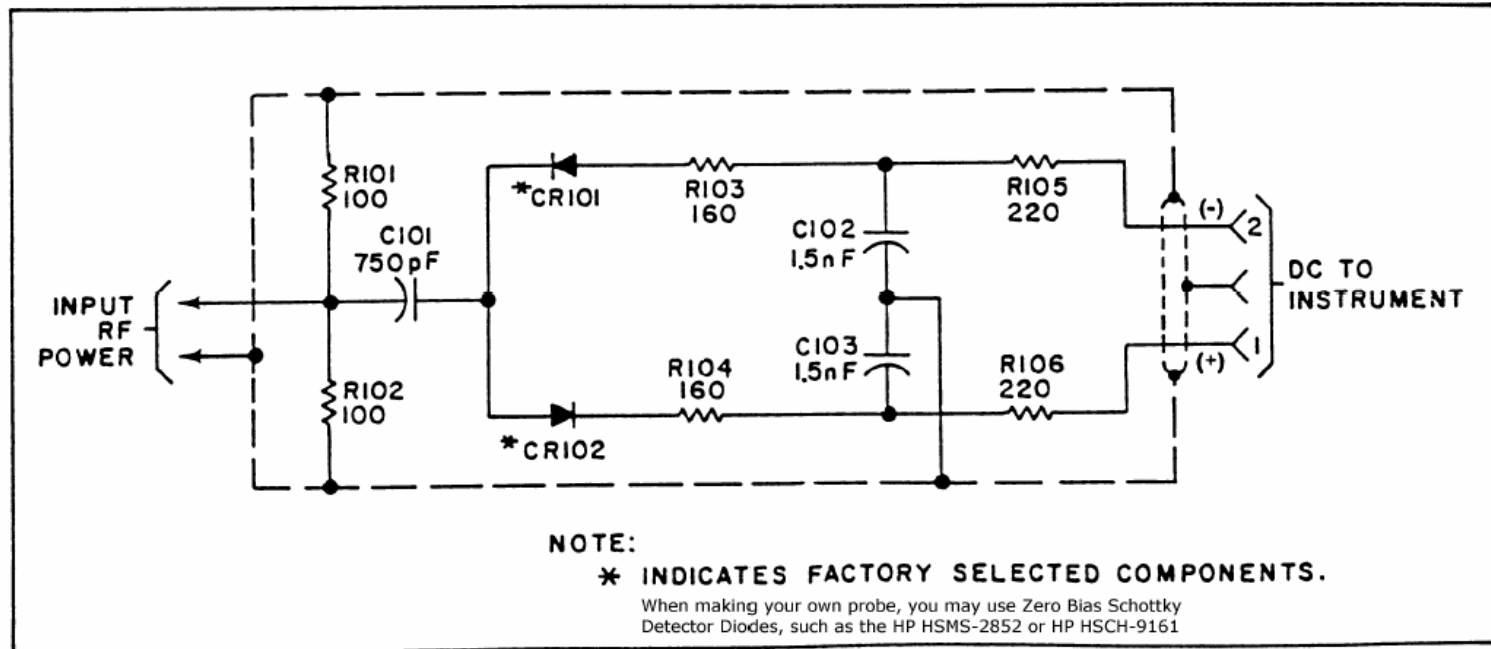


Figure 4-2 Typical Series 4200 Sensor, Schematic Diagram

Measured Response on my Boonton probe

Boonton RF probe 952001 s/n 22385 @ 100 MHz 10Mohms load

