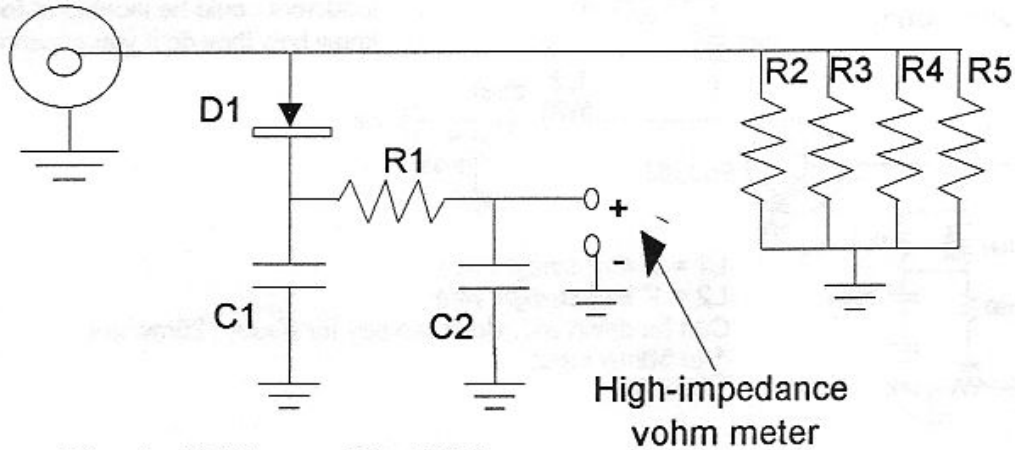


Power Meter/Dummy Load



D1 - 1n4148 R1 - 22K
 C1 - 47pf R2, R3, R4, R5 - 200 ohm 1/2 watt
 C2 - .1uf

Note : R2, R3, R4 and R5 could be 1/4 watt for a maximum power handling of about 1 watt, as shown it can handle 2 watt. The resistors could be replaced with 1 watt or 2 watt carbons for even more power handling ability. Do not use wirewound resistors! You can use the device shown for up to 6 watts of short term testing, just watch the temp!

To calculate power output use the formula :

$$\text{Power Output} = E^2 / 50$$

Example if you measure 2 volts on your VOM :

$$\begin{aligned} \text{Power Output} &= 2^2 / 50 \\ &= 4 / 50 \\ &= .08 \text{ watts} \\ &= 80 \text{ mw} \end{aligned}$$

Set VOM to dc volts

volts	power
2v	80mw
3v	180mw
4v	320mw
5v	500mw
6v	720mw
7v	980mw

PART PLACEMENT

PCB BOARD
(actual size)

