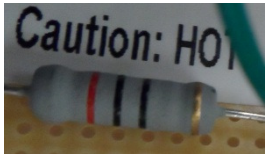


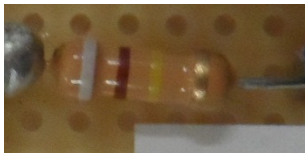
# Station 1

Remember the Circuit is Fragile.

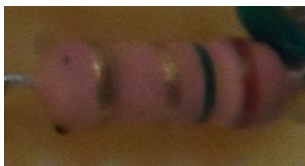
The vertical leads A & B are there to measure the current source. Do not bend these. The circuit is built such that you can see all connections from the top surface of the board. If you damage the circuit you will be disqualified.  
**DO NOT WRITE ANYTHING ON THIS PAPER!**



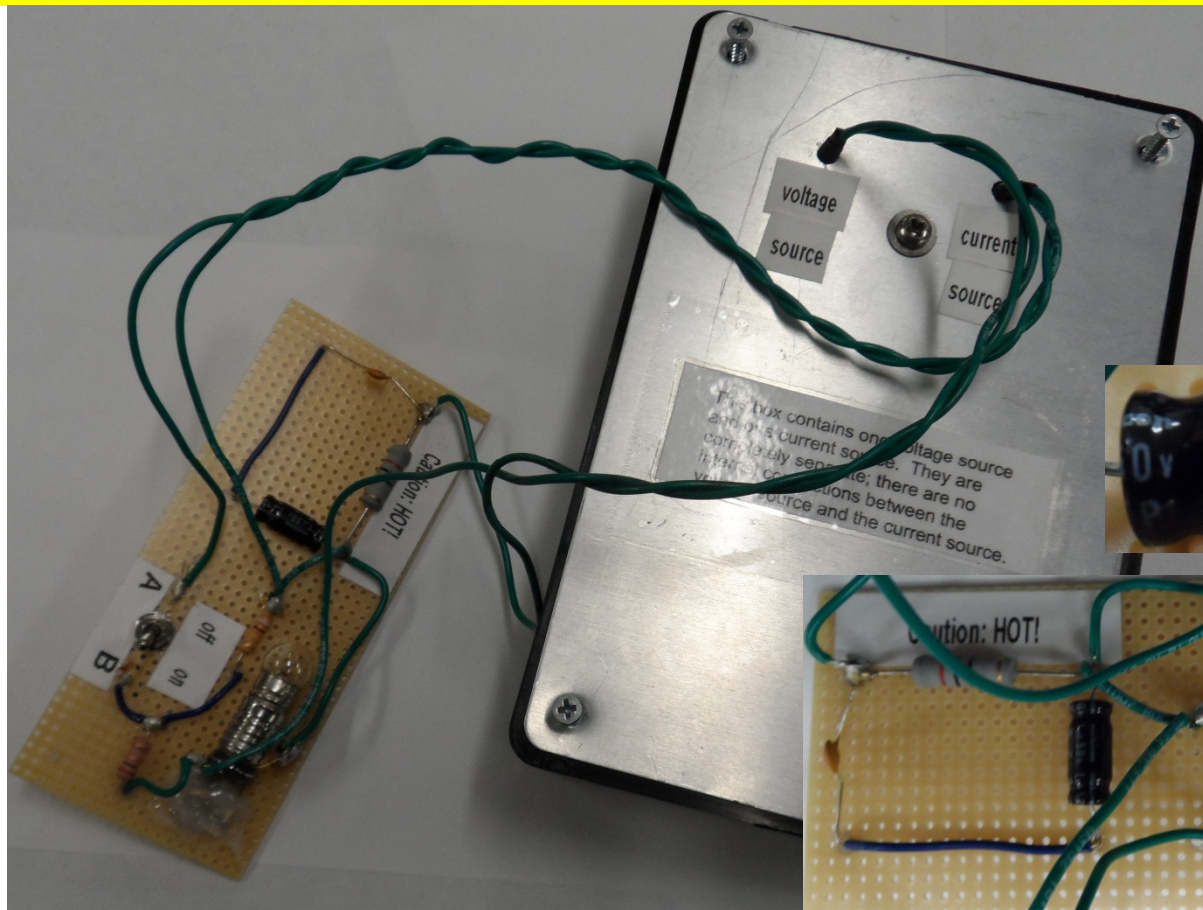
R Bk Bk G(T)  
20  $\Omega$



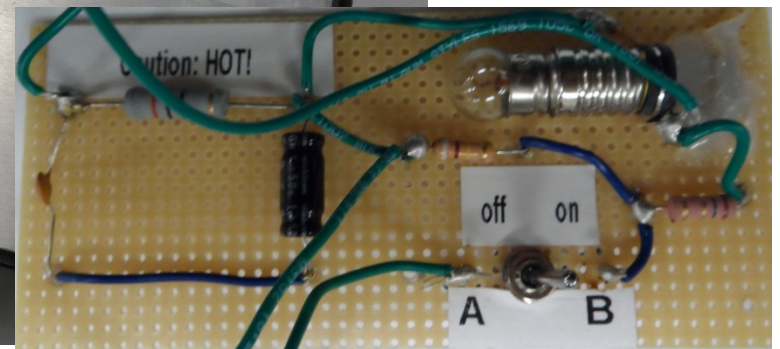
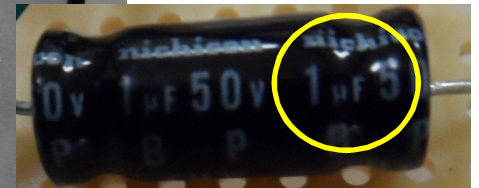
W Bn Y G(T)  
910 k  $\Omega$



G(T) G Gn Bn  
1.5  $\Omega$

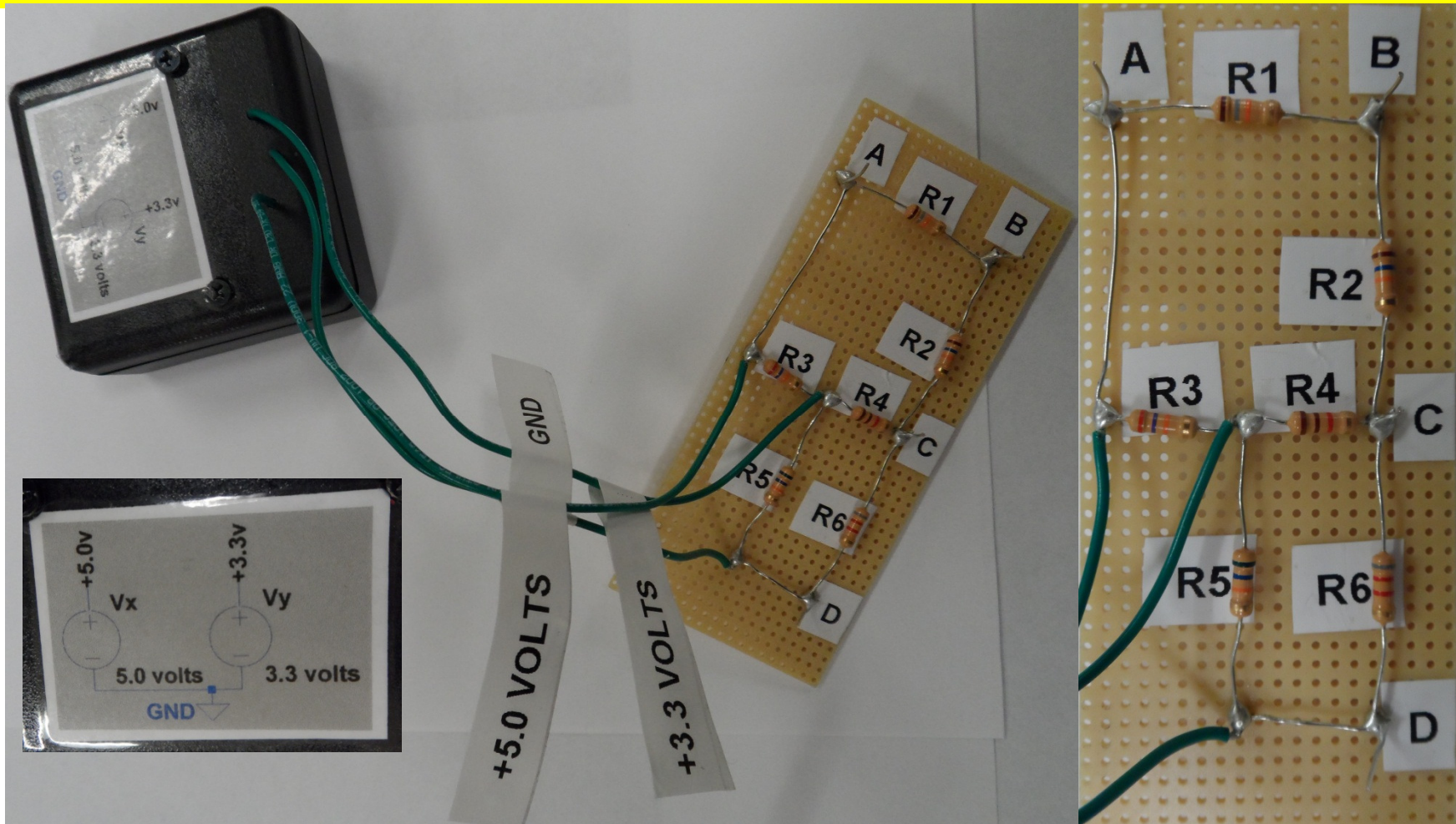


47E3 pF  
Or  
47 nF



# Station 2

Remember the Circuit is Fragile. The Leads (A,B,C,D) are vertical wires.  
The circuit is built such that you can see all connections from the top surface of the board.  
If you damage the circuit you will be disqualified.  
**DO NOT WRITE ANYTHING ON THIS PAPER!**



# Station 3

Remember the Circuit is Fragile. Do not yank the leads.  
If you damage the circuit you will be disqualified.

## Standard Capacitance

### Values

1.0 microfarads  
1.5 microfarads  
2.2 microfarads  
3.3 microfarads  
4.7 microfarads  
6.8 microfarads  
10 microfarads  
15 microfarads  
22 microfarads  
33 microfarads  
47 microfarads  
56 microfarads  
68 microfarads  
82 microfarads  
100 microfarads

