

ECE 211: Lab #2

Resistors in Series and Parallel: 2 people per group

Select three resistors at random in the range of 100 to 999 Ohms. Measure their resistances

	R1	R2	R3
Color Code			
Resistance			
Resistance (measured)			

1) Series Connection

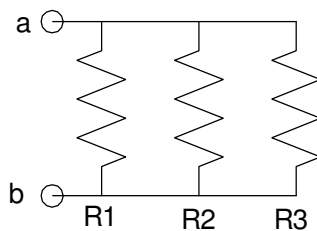


1a) Calculate the series resistance of these resistors.

1b) Measure the series resistance

R (calculated)	R (measured)

Parallel Connection

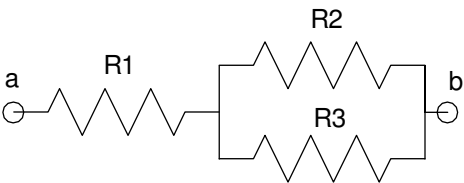


2a) Calculate the parallel resistance of these resistors.

2b) Measure the parallel resistance

R (calculated)	R (measured)

3) Series - Parallel



3a) Calculate the resistance of the following circuit

3b) Build the following circuit and measure its resistance

R (calculated)	R (measured)