

1. The photo is blurred so I assume the color coding are Yellow, Violet, Black, Gold, and Yellow. Therefore, the resistance of the resistor is 47 ohms with 0.02% tolerance.
2. Since $\text{Power} = \text{voltage}^2 / \text{Resistance}$ and the maximum power rating for the resistor is 0.5W, we can calculate maximum voltage to be around 4.85 V.