

Figure 2-23 Resistors for Prob. 2-2.

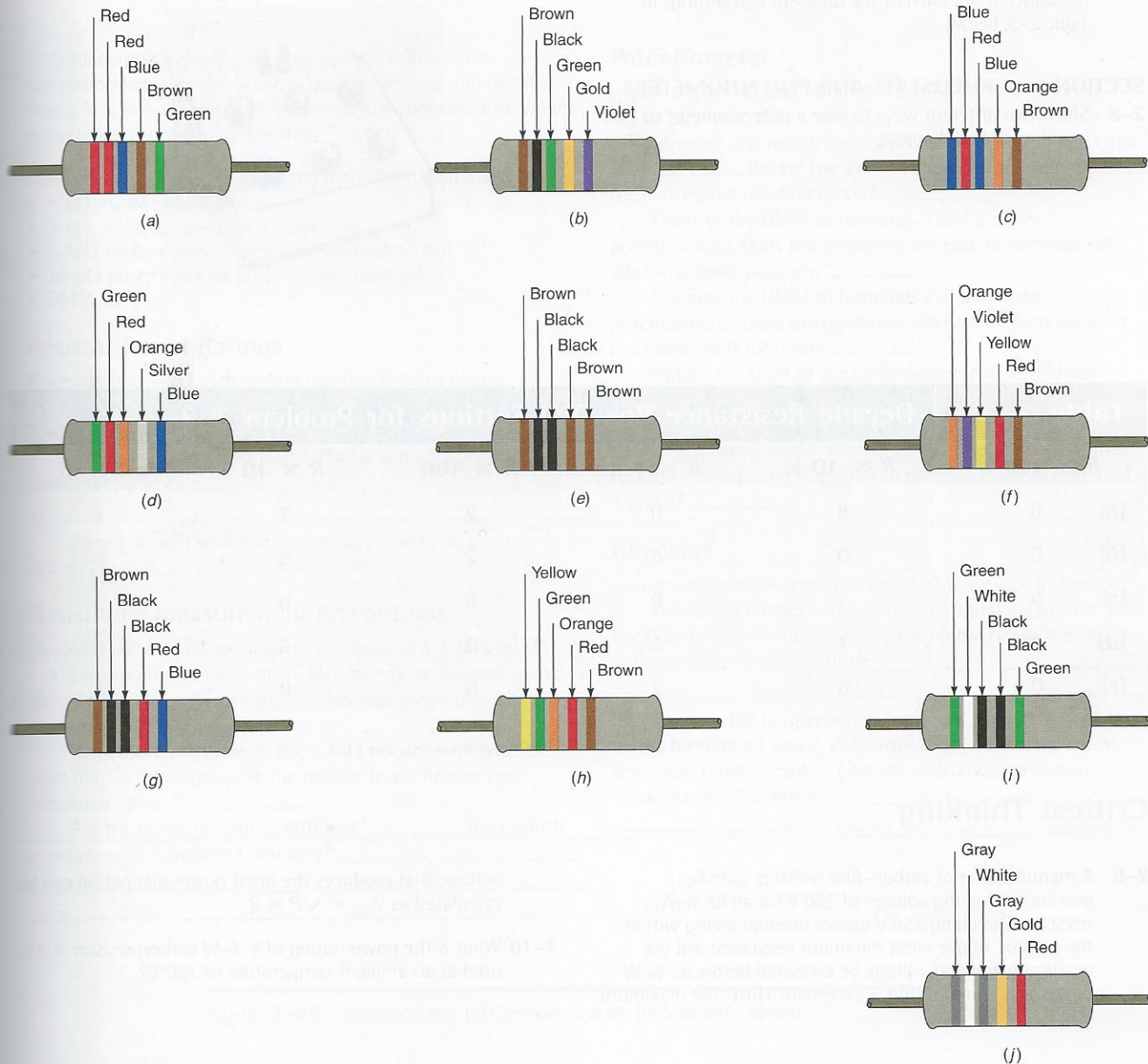
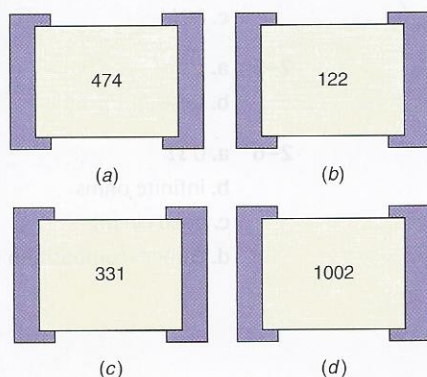


Figure 2-24 Chip resistors for Prob. 2-3.



2-4 Calculate the permissible ohmic range of a resistor whose resistance value and tolerance are (a) $3.9 \text{ k}\Omega \pm 5\%$ (b) $100 \Omega \pm 10\%$ (c) $120 \text{ k}\Omega \pm 2\%$ (d) $2.2 \Omega \pm 5\%$ (e) $75 \Omega \pm 1\%$.

2-5 Using the four-band code, indicate the colors of the bands for each of the following resistors: (a) $10 \text{ k}\Omega \pm 5\%$ (b) $2.7 \Omega \pm 5\%$ (c) $5.6 \text{ k}\Omega \pm 10\%$ (d) $1.5 \text{ M}\Omega \pm 5\%$ (e) $0.22 \Omega \pm 5\%$.

2-6 Using the five-band code, indicate the colors of the bands for each of the following resistors: (a) $110 \Omega \pm 1\%$ (b) $34 \text{ k}\Omega \pm 0.5\%$ (c) $82.5 \text{ k}\Omega \pm 2\%$ (d) $62.6 \Omega \pm 1\%$ (e) $105 \text{ k}\Omega \pm 0.1\%$.