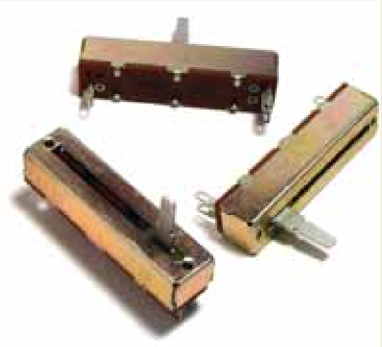
5.41 Name the components shown here.

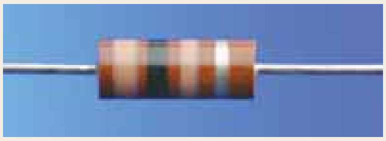
(a)



(b)

(c)

(d)



(e)

ANSWERS

5.21 0.688 Ω (688 mΩ)
5.22 58.1 m
5.23 2.84E−8 Ωm
5.24 25.5 Ω
5.25 25.5 Ω
5.26 124.6°C, 125.3°C, 123.4°C
5.27 221 V
5.28 11.14°C
5.29 100 Ω ± 5% = 95 Ω to 105 Ω
5.30 (a) 10 Ω ± 1 Ω
5.30 (b) 56 kΩ ± 2800 Ω
5.30 (c) 3.3 kΩ ± 165 Ω
5.30 (d) 470 kΩ ± 23.5 kΩ
5.30 (e) 680 Ω ± 68 Ω
5.30 (f) 2.7 kΩ ± 135 Ω
5.30 (g) 820 Ω ± 41 Ω
5.30 (h) 1.8 kΩ ± 90 Ω
5.30 (i) 2.2 kΩ ± 110 Ω
5.30 (j) 1 MΩ ± 50 kΩ
5.31 1K0+680R+270R+82R+27R = 2259 Ω
5.32 390R+120R+330R+68R+47R = 955 Ω
5.33 10K+3K3+18K+1K2+2K2 = 34.7 kΩ
5.34 3K3//3K3//2K2//2K2 = 660 Ω
5.35 1K2//5K6//1K2//5K6 = 494 Ω
5.36 68K//82K//120K//270K = 25.7 kΩ
5.37 12R+100R//(18R+82R) = 62 Ω
5.38 220R+680R//(220R+220R+220R) = 537 Ω
5.39 18R//(12R+470R//(220R+220R)+12R) = 16.8 Ω
5.40 56K//(10R+3K3//(470R+2K7+820R)+10R) = 3.71 kΩ
5.41 (a) slide potentiometer, (b) wire-wound pot, (c) rotary potentiometer, (d) carbon-compound resistor, (e) variac (MOV or VDR).