

- (a) max. power is 0.24 W
- (b) EOM:  $9.33\dot{T} + T = 80$  ( $^{\circ}\text{C}$ )
- (c)  $T_{SS} = 80^{\circ}\text{C}$
- (d) Time to reach  $79^{\circ}\text{C}$  is 38 sec.