

## Chapter11\_example6

### Solution to Part (a)

The Lower and Upper limits of Wavelength-Temperature Products are  $1.74e-03$  m.K and  $2.204e-03$  m.K respectively

The Transmittivity is 0.0460

The energy transmitted from the sun through the glass is  $50.6$  W/sq.m

### Solution to Part (b)

The Lower and Upper limits of Wavelength-Temperature Products are  $9.33e-05$  m.K and  $1.18e-04$  m.K respectively

the rate at which radiant energy from the car interior is transmitted through the glass windshield is  $0$  W/sq.m