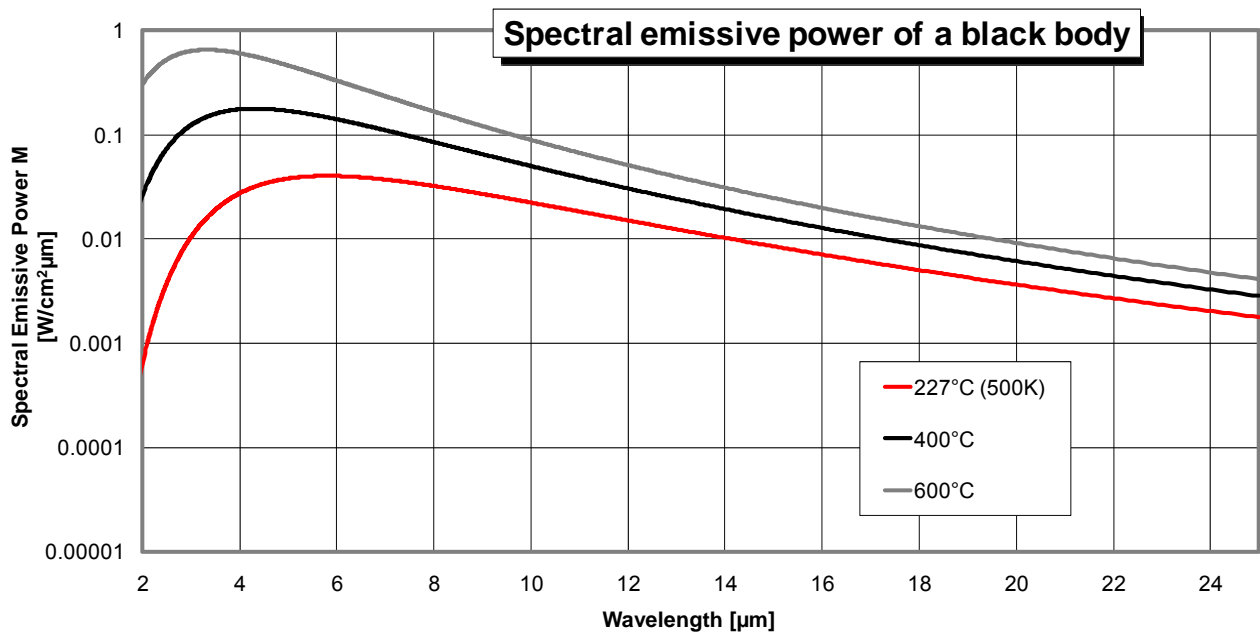
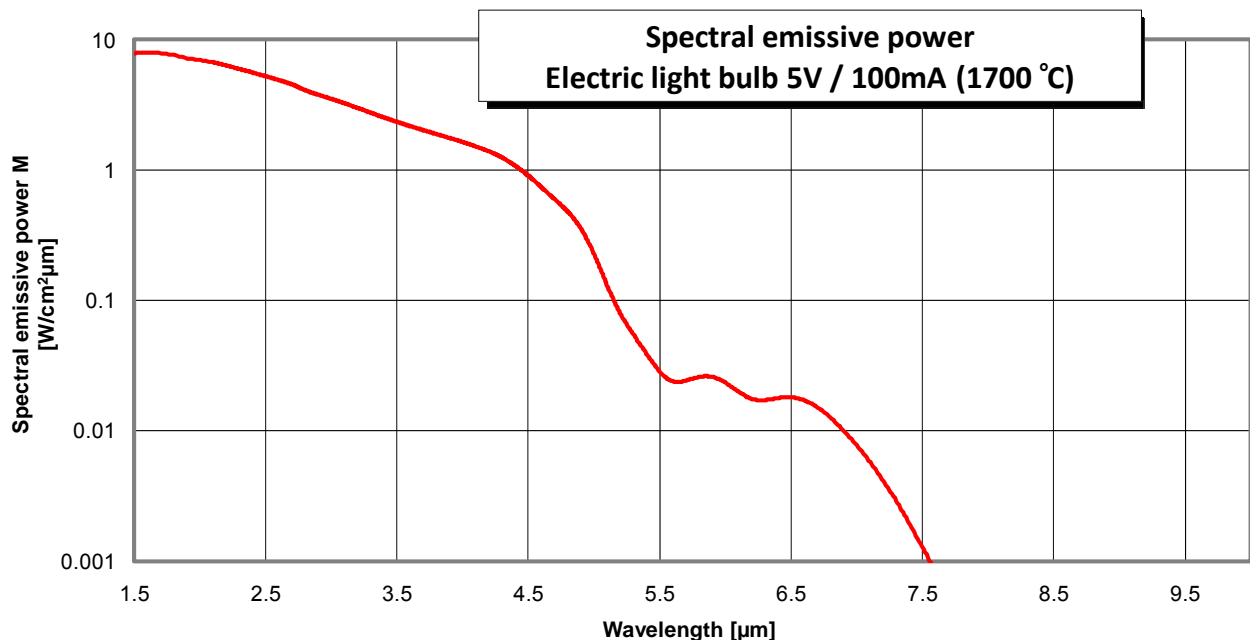


## Spectral Emission of IR Sources



### Spectral emissive power (M) of a Black body:

- At 600 °C  $M(4 \mu\text{m}) = 604 \text{ mW/cm}^2\mu\text{m}$ ;  $M(10 \mu\text{m}) = 89.2 \text{ mW/cm}^2\mu\text{m}$
- At 400 °C  $M(4 \mu\text{m}) = 175 \text{ mW/cm}^2\mu\text{m}$ ;  $M(10 \mu\text{m}) = 50 \text{ mW/cm}^2\mu\text{m}$
- At 227 °C  $M(4 \mu\text{m}) = 27.4 \text{ mW/cm}^2\mu\text{m}$ ;  $M(10 \mu\text{m}) = 22.3 \text{ mW/cm}^2\mu\text{m}$



### Spectral emissive power (M) of micro lamp for gas analyzing instrument:

- $M(4 \mu\text{m}) = 1.65 \text{ mW/cm}^2\mu\text{m}$
- $M(10 \mu\text{m}) = 0$

