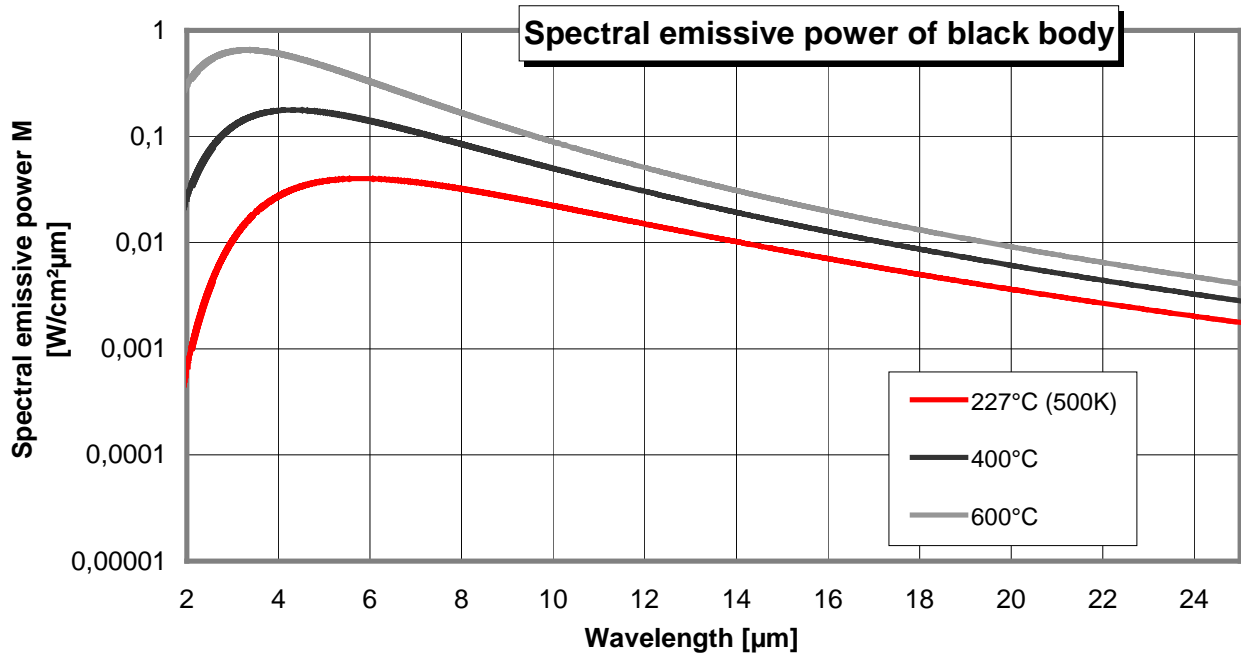


Spectral Emission of IR Sources

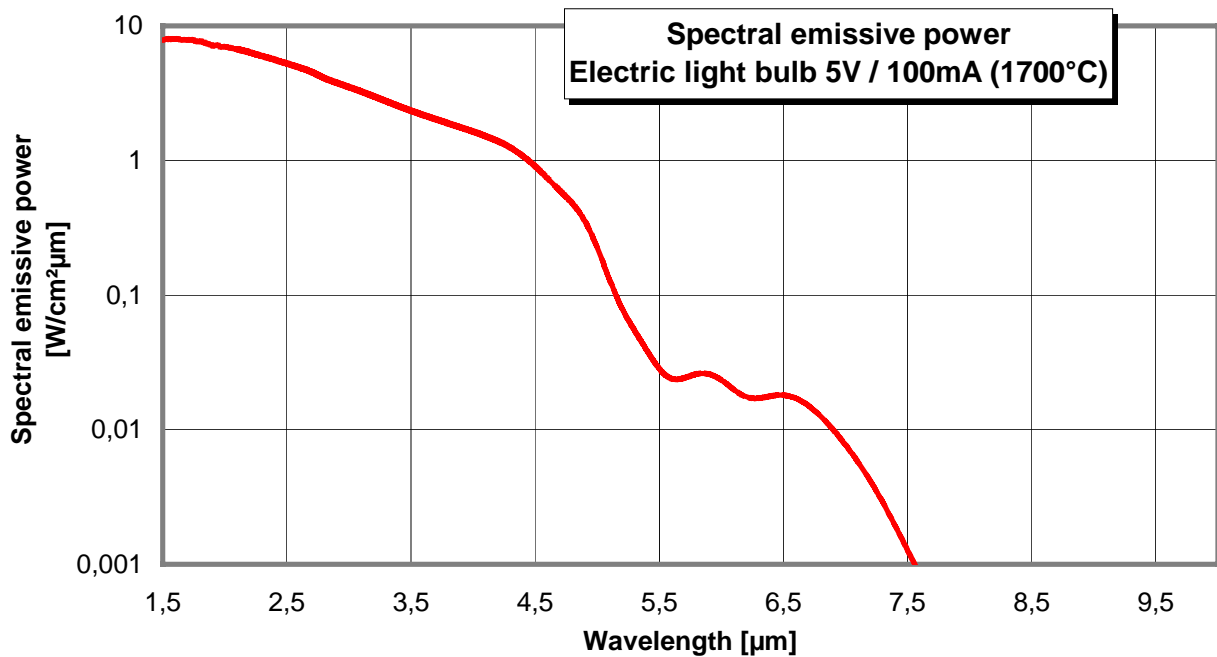


Spectral emissive power (M) of a Black body:

at 600 °C $M(4 \mu\text{m}) = 604 \text{ mW}/\text{cm}^2\cdot\mu\text{m}$; $M(10 \mu\text{m}) = 89.2 \text{ mW}/\text{cm}^2\cdot\mu\text{m}$

at 400 °C $M(4 \mu\text{m}) = 175 \text{ mW}/\text{cm}^2\cdot\mu\text{m}$; $M(10 \mu\text{m}) = 50 \text{ mW}/\text{cm}^2\cdot\mu\text{m}$

at 227 °C $M(4 \mu\text{m}) = 27.4 \text{ mW}/\text{cm}^2\cdot\mu\text{m}$; $M(10 \mu\text{m}) = 22.3 \text{ mW}/\text{cm}^2\cdot\mu\text{m}$



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

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

$M(10 \mu\text{m}) = 0$