

Spectral Emission of IR Sources

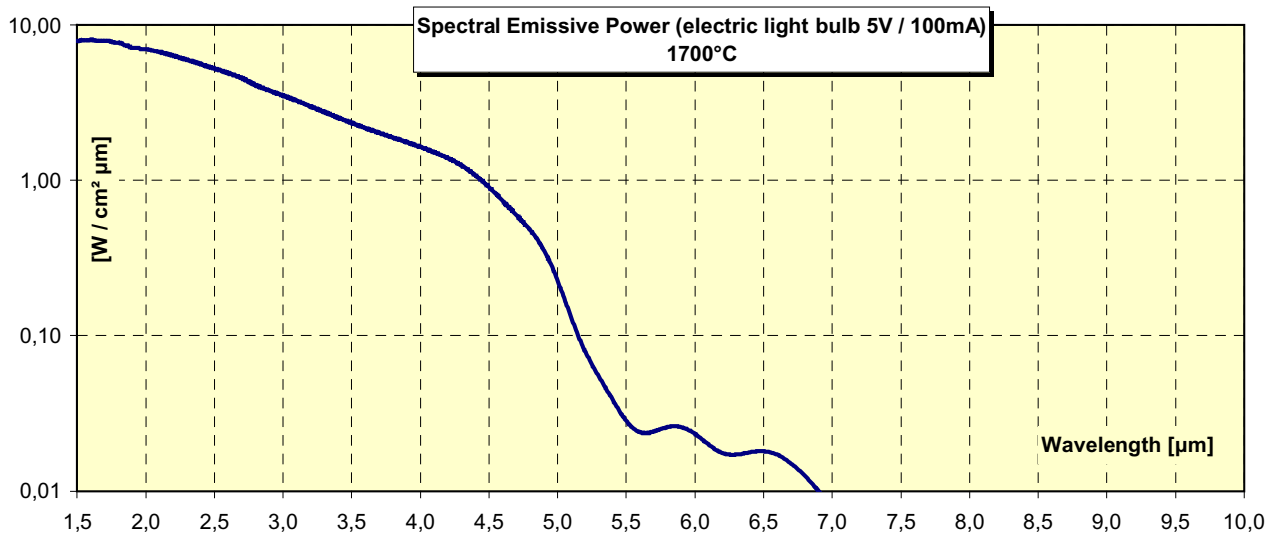


Fig.1 Spectral emissive power **M** of a micro lamp for gas analyzing instruments
 $M(4.0\mu\text{m}) = 1.65 \text{ W/cm}^2\mu\text{m}$
 $M(10\mu\text{m}) = 0$

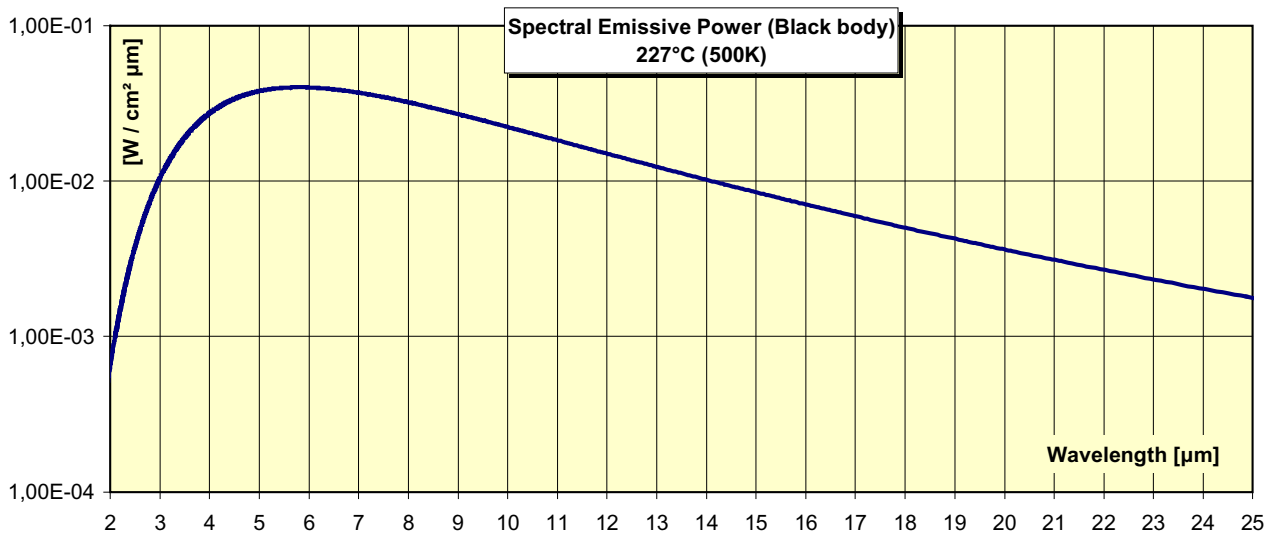


Fig.2 Spectral emissive power **M** of a 227°C Black body
 $M(4.0\mu\text{m}) = 27.4 \text{ mW/cm}^2\mu\text{m}$
 $M(10\mu\text{m}) = 22.3 \text{ mW/cm}^2\mu\text{m}$



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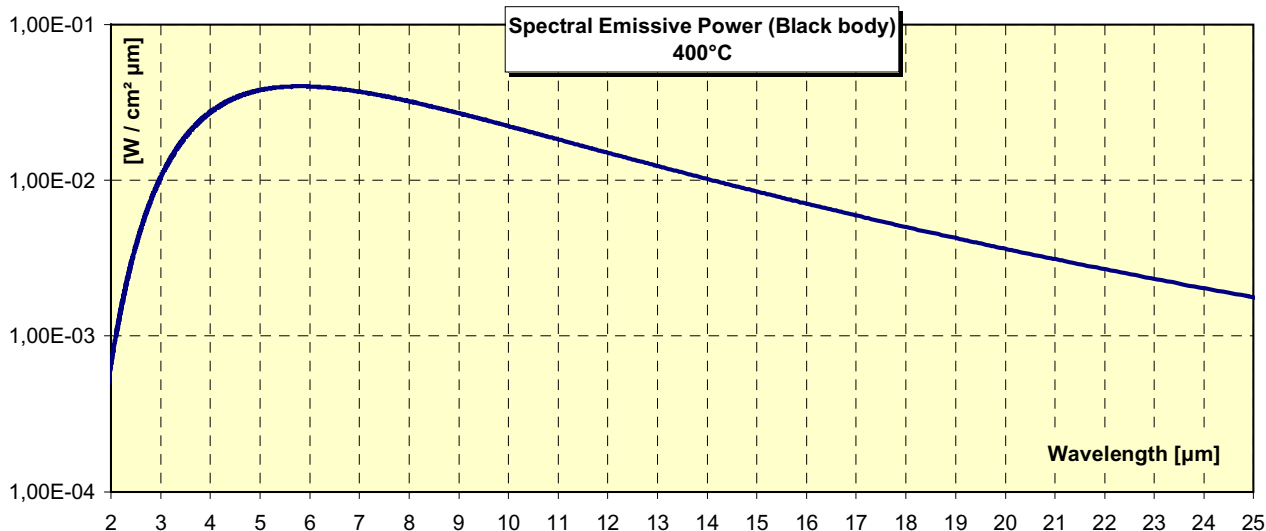


Fig.3 Spectral emissive power **M** of a 400°C Black body
 $M(4.0\mu\text{m}) = 175 \text{ mW/cm}^2\mu\text{m}$
 $M(10\mu\text{m}) = 50 \text{ mW/cm}^2\mu\text{m}$

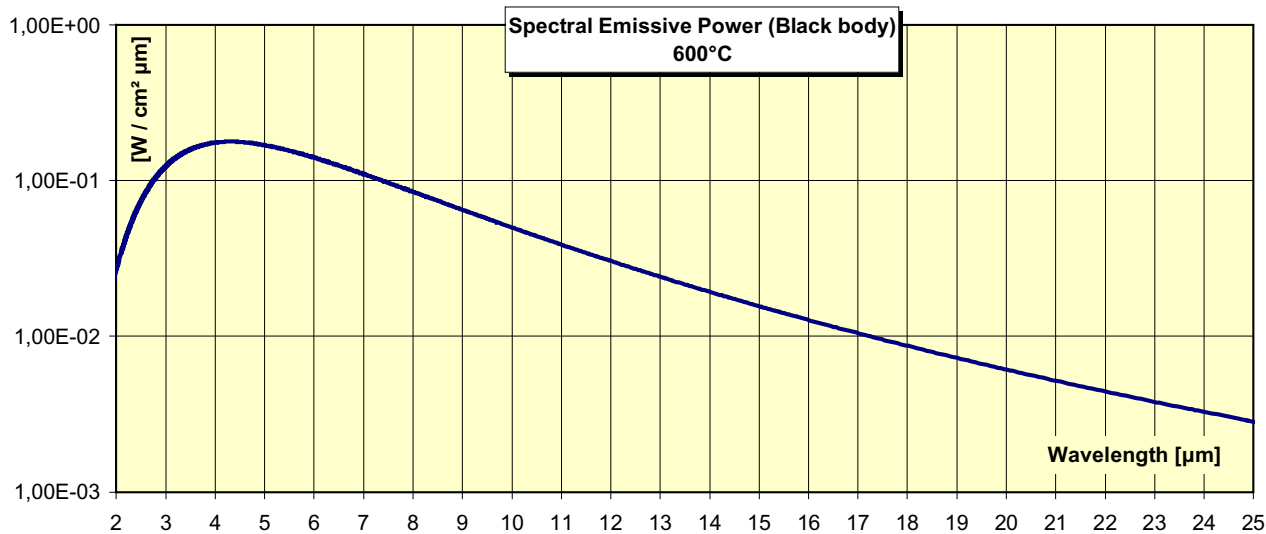


Fig.4 Spectral emissive power **M** of a 600°C Black body
 $M(4.0\mu\text{m}) = 604 \text{ mW/cm}^2\mu\text{m}$
 $M(10\mu\text{m}) = 89.2 \text{ mW/cm}^2\mu\text{m}$

