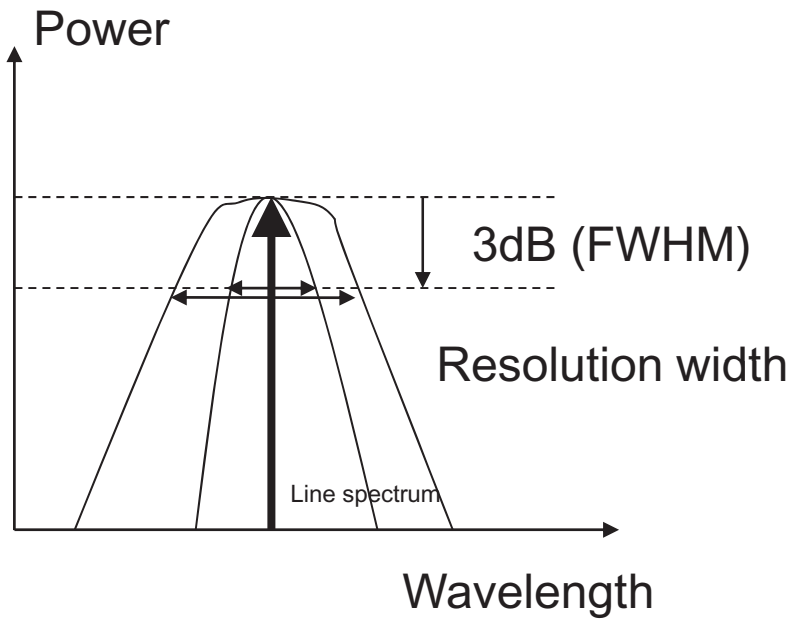
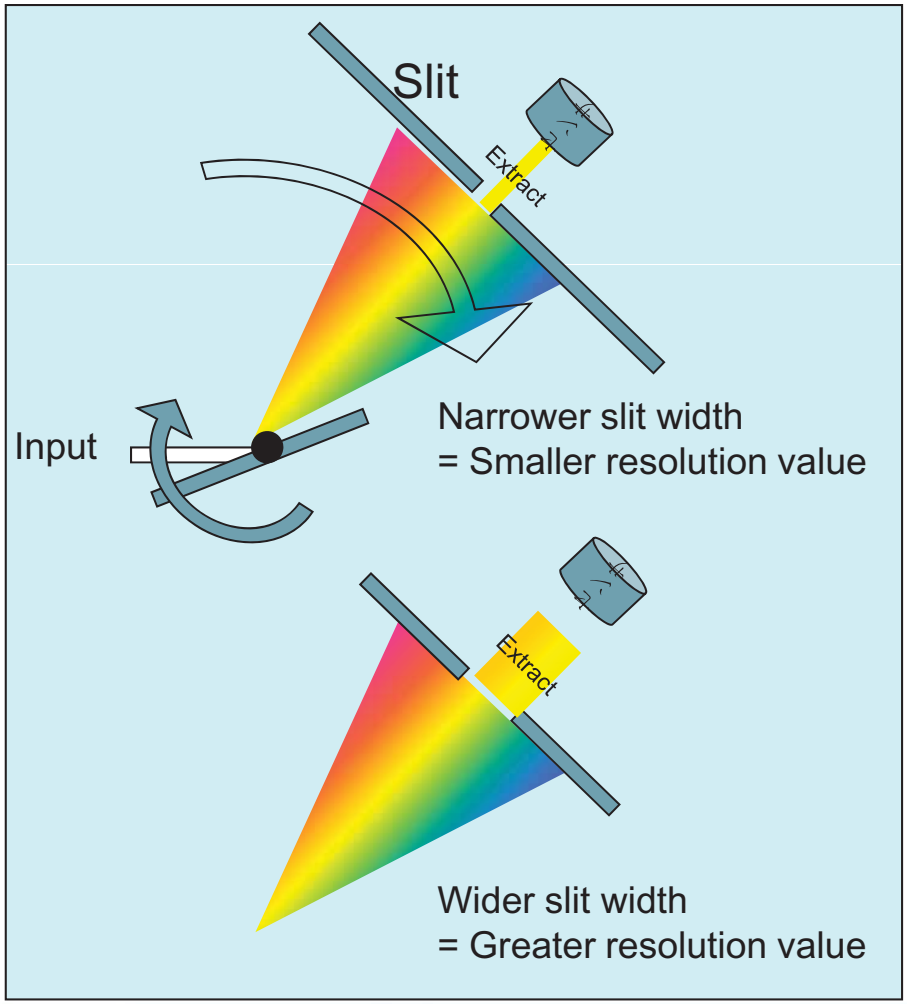
2: Wavelength Resolution

- Wavelength resolution is defined as the FWHM of a line spectrum
- Wavelength resolution controlled by the width of the slit opening

Definition of wavelength resolution



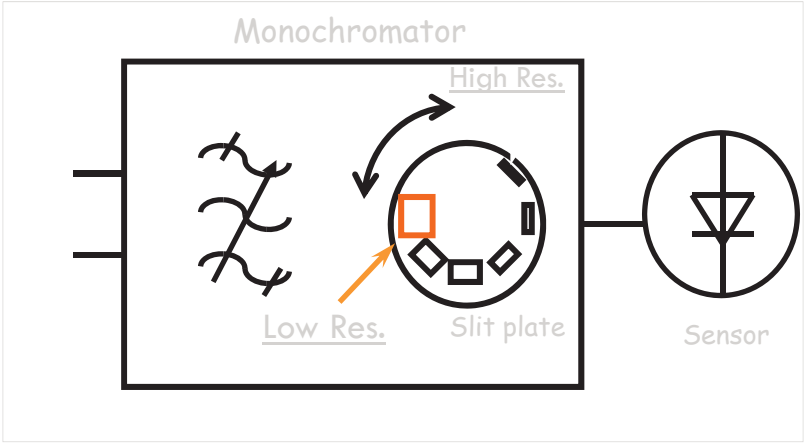


2: Wavelength Resolution

How it works

The optical resolution can be defined as the quantity of spectrum light that is passed to the optical sensor through the output light slit. The optical resolution of the OSA is affected by 3 factors;

- •Input Slit
- •Diffraction Grating
- •Output Slit



Structure of Resolution selection

The output slits are mounted on a slit disc.

As the resolution setting is changed, the slit disc is rotated in accordance with the resolution setting. When the resolution is increased (0.5nm to 0.1nm), a smaller slit is aligned with the optical sensor.

The AQ6370C OSA offers a best in class resolution of 20pm