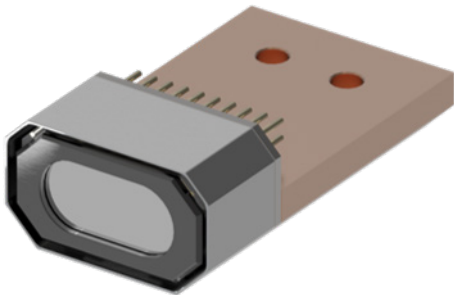


SDD-60 Racetrack – Slim Line

Best solid angle combined with highest energy resolution: PNDetector's unique oval shaped Silicon Drift Detectors – SDD Racetrack – combine excellent performance with highest possible solid angles of collection. Due to their compact geometry, these detectors can be positioned right next to the pole piece of any SEM or TEM, very close to the sample.

Small packaging – Large solid angle



Highest possible solid angle

- Due to the oval shape of the SDD Racetrack huge solid angles up to 1 sr can be achieved.

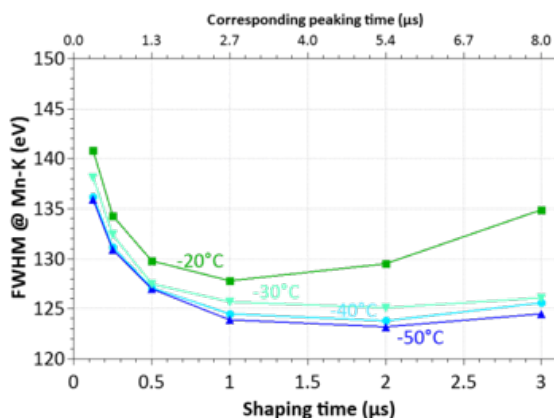
Minimum dimensions

- The new SDD-60 Racetrack Slim Line detector module is packaged in such a compact way that the outer dimensions is only determined by the sensor chip itself. You cannot get closer to your sample!

Easy integration

- Installation is made easy by the single-side electrical connection and the simple cooling interface.

Large Size – Huge performance

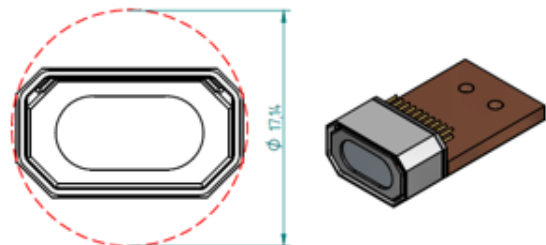


High spectroscopic performance

- Achieve excellent spectroscopic performance with energy resolutions down to 124 eV FWHM @ Mn-K_α @ -40°C chip temperature.

Windowless detectors for light element analysis

- Detect light elements down to Boron, Beryllium and even Lithium with high efficiency.



Energy resolution values down to 124 eV can be achieved at -40°C chip temperature

The very compact housing allows the detector to be placed into very small spectrometer tubes