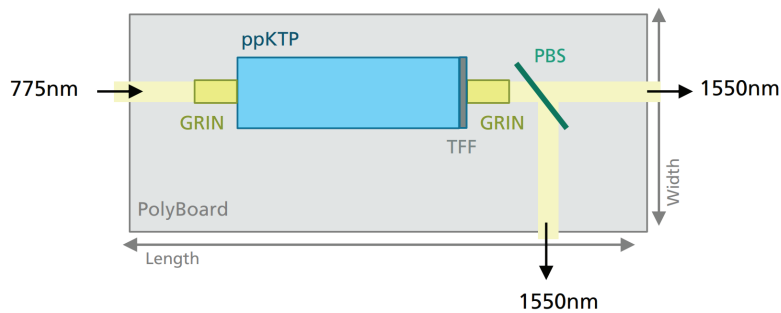


Heralded Single Photon Module (Beta)

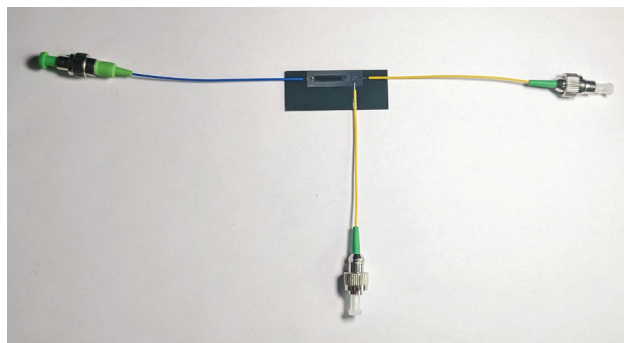
Raicol has integrated its ppKTP crystals into an innovative fiber-coupled platform, suitable for generation of correlated photon pairs and heralded single photons at telecom wavelengths. Designed for the SPDC process using Raicol's Type II PPKTP crystals, you can implement a modular, fiber-coupled heralded single-photon source for all your quantum applications.



- Non-committal estimate dimensions for PIC
 - Length 15 ... 25 mm (depends on crystal length)
 - Width 5 ... 6 mm
 - Height 1.5 ... 2 mm

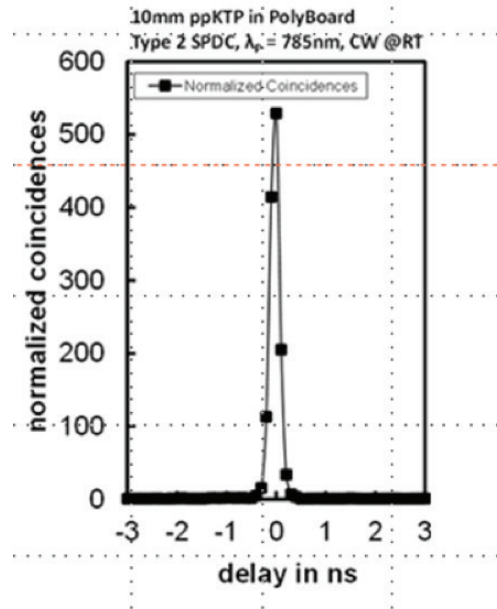
The HSPS module features

- 10/15mm Type II ppKTP or apKTP
- 775 PM pump input, 2x 1550 SM signal/idler outputs with orthogonal polarizations
- Pump suppression filters
- Integrated Peltier oven for thermal tuning of the SPDC spectrum

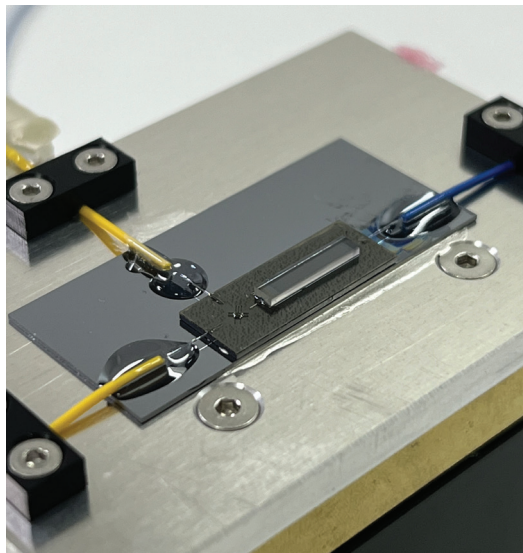


The HSPC module assembly on the Polyboard

Technical specifications



Normalized coincident counts based
At 785nm Pump



The HSPS module embedded in the plate heat exchanger (PHE) over

* The product is in the Beta stage, and all specifications are not final.