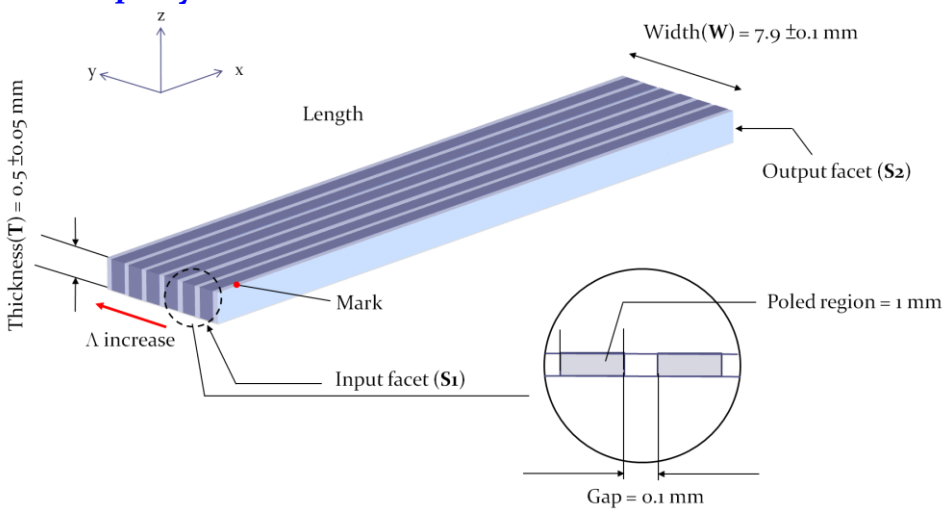
HCP
HC PHOTONICS CORP.

Periodically Poled Lithium Niobate (PPLN) Chip : SHVIS-MB

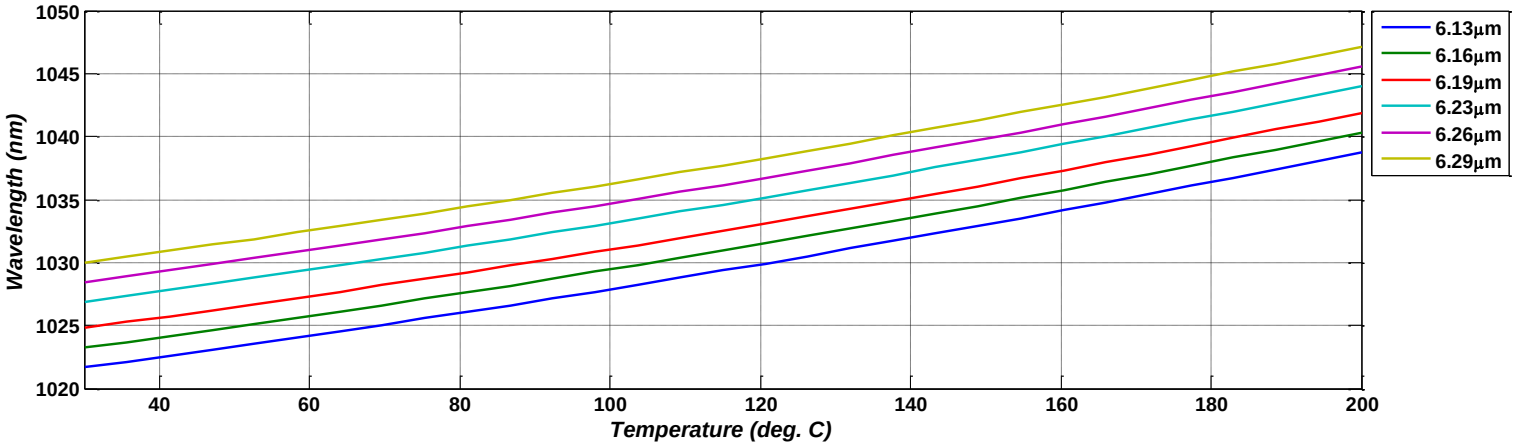
- Chip Lay-Out



[Image for reference only. Not for scale.]

Items	Properties	Inspection
Material	5 mol.% MgO:LN	NA
Period (Λ, μm)	6.13, 6.16, 6.19, 6.23, 6.26, 6.29	Microscope
Main Function	Second Harmonic Generation	NA
Parallelism/Perpendicularity	≤5'/21'	Autocollimator
Flatness	≤λ/6 (λ=633nm)	Interferometer
Scratch/Dig	≤20/10	Microscope
Optical Coating (**S1**/**S2** facets)	S1/S2 @485~590(R<0.5%) /970-1180(R<0.5%) nm	Spectral Analyzer
Aperture Size	7.9 x 0.5 mm² (**W** x **T**)	Cutting Machine
Available Length	10/25/50 ± 0.2 mm	
Channel Clear Aperture	≥80% (**T**), ≥90% (**W**)	NA

- Phase Matching Tuning Curve



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