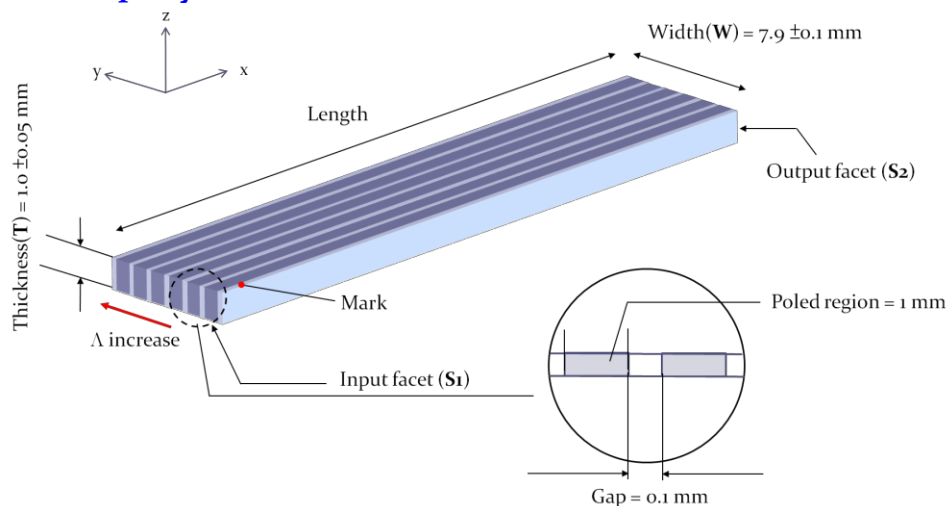


- Chip Lay-Out



[Image for reference only. Not for scale.]

Items	Properties	Inspection
Material	5 mol.% MgO:LN	NA
Period (Λ , μm)	12.35, 12.59, 12.83, 13.07, 13.31, 13.55	Microscope
Main Function	Second Harmonic Generation	NA
Parallelism/Perpendicularity	$\leq 5' / 21'$	Autocollimator
Flatness	$\leq \lambda / 6$ ($\lambda = 633\text{nm}$)	Interferometer
Scratch/Dig	$\leq 20 / 10$	Microscope
Optical Coating (S ₁ /S ₂ facets)	S ₁ /S ₂ @590~680 (R<0.5%) /1180~1360 (R<0.5%) nm	Spectral Analyzer
Aperture Size	$7.9 \times 1.0 \text{ mm}^2$ (W x T)	Cutting Machine
Available Length	10/25 / 50 ± 0.2 mm	
Channel Clear Aperture	$\geq 80\%$ (T), $\geq 90\%$ (W)	NA

- Phase Matching Tuning Curve

