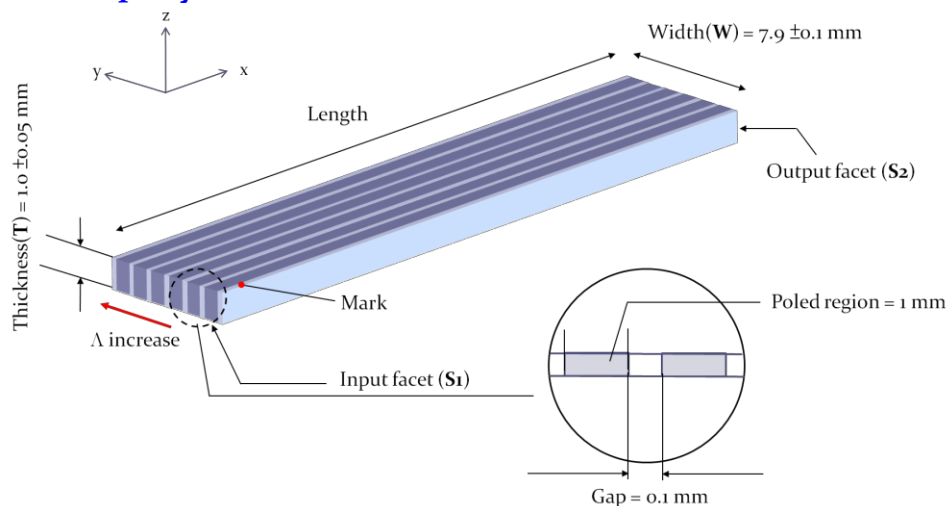


- Chip Lay-Out



[Image for reference only. Not for scale.]

Items	Properties	Inspection
Material	5 mol.% MgO:LN	NA
Period (Λ , μ m)	11.25, 11.49, 11.73, 11.97, 12.21, 12.45	Microscope
Main Function	Sum-Frequency Generation	NA
Parallelism/Perpendicularity	$\leq 5' / 21'$	Autocollimator
Flatness	$\leq \lambda / 6$ ($\lambda = 633$ nm)	Interferometer
Scratch/Dig	$\leq 20 / 10$	Microscope
Optical Coating (S ₁ /S ₂ facets)	S ₁ /S ₂ @625~642/1020~1080 / 1520~1620 (R<0.5%) nm	Spectral Analyzer
Aperture Size	7.9 x 1.0 mm ² (W x T)	Cutting Machine
Available Length	10/25 / 50 \pm 0.2 mm	
Channel Clear Aperture	$\geq 80\%$ (T), $\geq 90\%$ (W)	NA

- Phase Matching Tuning Curve

