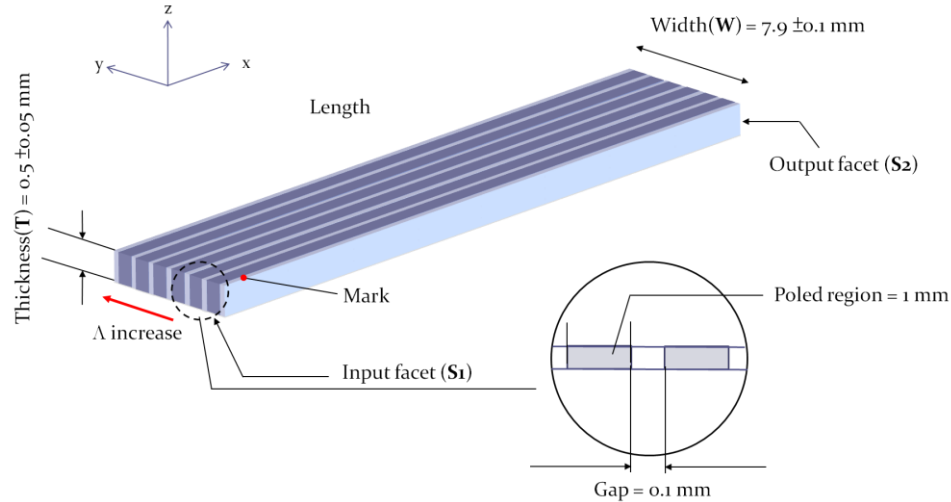


### - Chip Lay-Out



[Image for reference only. Not for scale.]

Items	Properties	Inspection
Material	5 mol.% MgO:LN	NA
Period ( $\Lambda$ , $\mu$ m)	8.90, 9.01, 9.12, 9.23, 9.34, 9.45	Microscope
Main Function	Second Harmonic 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 <sub>1</sub> /S <sub>2</sub> facets)	S <sub>1</sub> /S <sub>2</sub> @485~590 (R<0.5%) /970~1180 (R<0.5%) nm	Spectral Analyzer
Aperture Size	7.9 x 0.5 mm <sup>2</sup> (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

