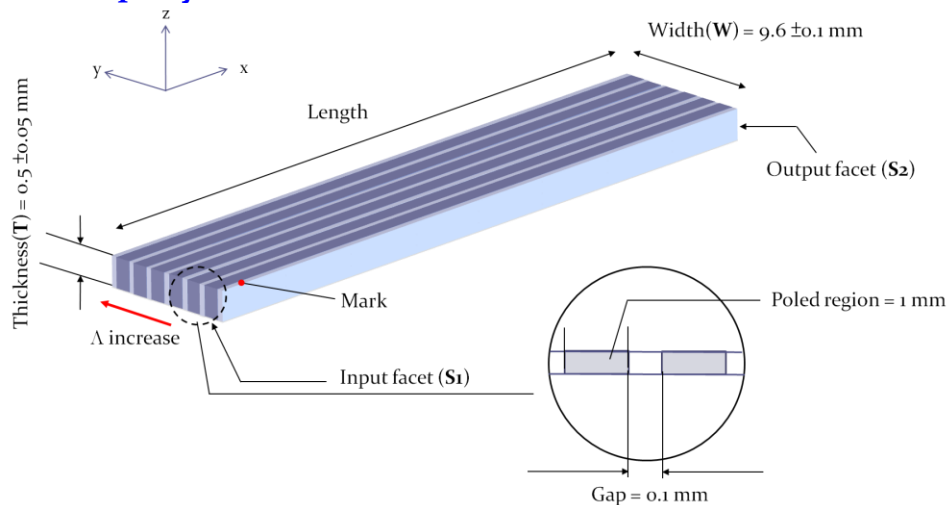


### - Chip Lay-Out



[Image for reference only. Not for scale.]

Items	Properties	Inspection
Material	5 mol.% MgO:LN	NA
Period ( $\Lambda$ , $\mu\text{m}$ )	6.45, 6.51, 6.57, 6.63, 6.69, 6.75	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 (S1/S2 facets)	S1/S2 @485~590 (R<0.5%) /970~1180 (R<0.5%) nm	Spectral Analyzer
Aperture Size	$9.6 \times 0.5 \text{ mm}^2$ (W x T)	Cutting Machine
Available Length	$0.3 / 0.5 / 1.0 \text{ mm}^{\ast 1}$	
Channel Clear Aperture	$\geq 80\%$ (T), $\geq 90\%$ (W)	NA

<sup>\*1</sup> Refer to the length of poled grating. Physical length is  $1.0 \pm 0.1$  mm.

### - Phase Matching Tuning Curve

