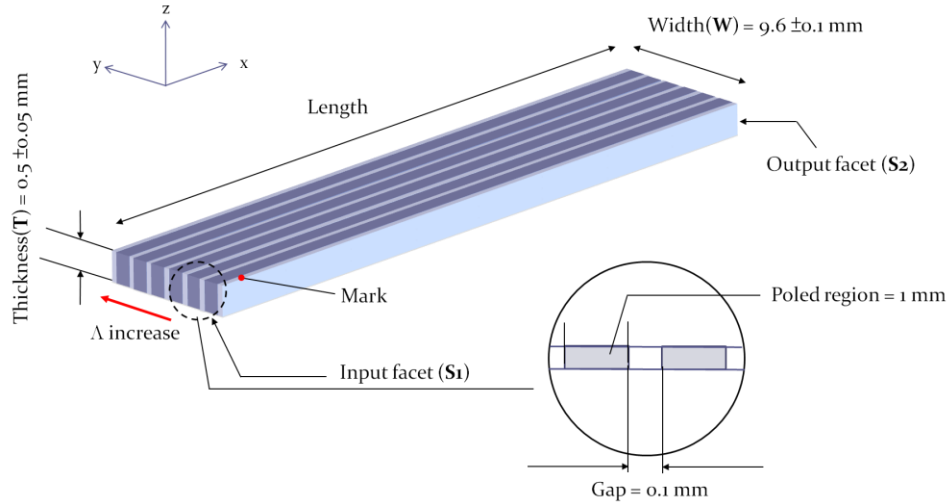


- Chip Lay-Out



[Image for reference only. Not for scale.]

Items	Properties	Inspection
Material	5 mol.% MgO:LN	NA
Period (Λ, μm)	6.83, 6.86, 6.90, 6.93, 6.96, 7.00	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 ₁ /S ₂ facets)	S ₁ /S ₂ @485~590 (R<0.5%) /970~1180 (R<0.5%) nm	Spectral Analyzer
Aperture Size	9.6 x 0.5 mm ² (W x T)	Cutting Machine
Available Length	0.3/0.5/1.0 mm ^{*1}	
Channel Clear Aperture	$\geq 80\%$ (T), $\geq 90\%$ (W)	NA

*1 Refer to the length of poled grating. Physical length is 1.0 ± 0.1 mm.

- Phase Matching Tuning Curve

