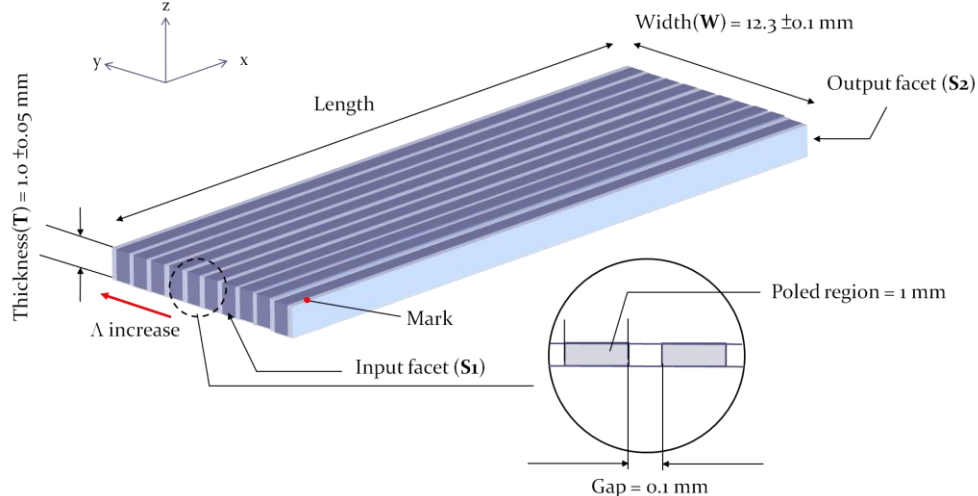


### - Chip Lay-Out



[Image for reference only. Not for scale.]

Items	Properties	Inspection
Material	5 mol.% MgO:LN	NA
Period ( $\Lambda$ , $\mu\text{m}$ )	28.40, 29.00, 29.60, 30.20, 30.80, 31.40, 32.00, 32.60, 33.20, 33.60	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 @960-1150 (R<0.5%) /1925-2300 (R<0.5%) nm	Spectral Analyzer
Aperture Size	12.3 x 1.0 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

