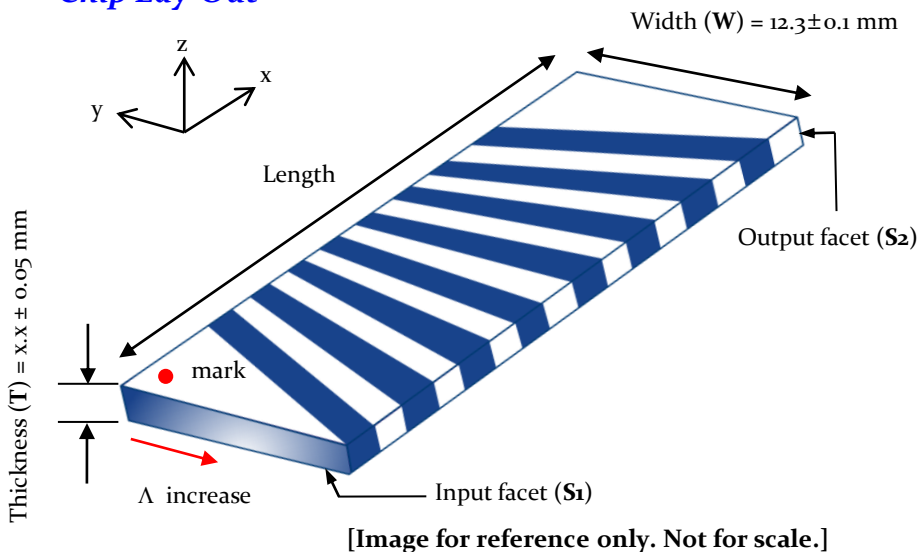


### - Chip Lay-Out



Items	Properties	Inspection
Material	5 mol.% MgO:LN	NA
Period (Λ, μm)	6.90~8.10	Microscope
Main Function	Sum-Frequency Generation	NA
Parallelism/Perpendicularity	≤5' / 21'	Autocollimator
Flatness	≤λ/6 (λ=633nm)	Interferometer
Scratch/Dig	≤20/10	Microscope
Optical coating (S <sub>1</sub> /S <sub>2</sub> facets)	Si/S <sub>2</sub> @470~550/720~850 / 1480~1590 (R<0.5%) nm	Spectral Analyzer
Aperture Size	12.3 x 0.5 mm <sup>2</sup> (W x T)	Cutting Machine
Available Length	10/25 / 50 ± 0.2 mm	
Clear Aperture *	≥80% (T), ≥ 10.9 mm (W) * <sup>1</sup>	NA

\*<sup>1</sup> Poled fan-out grating width = 10.9mm

### - Phase Matching Tuning Curve

