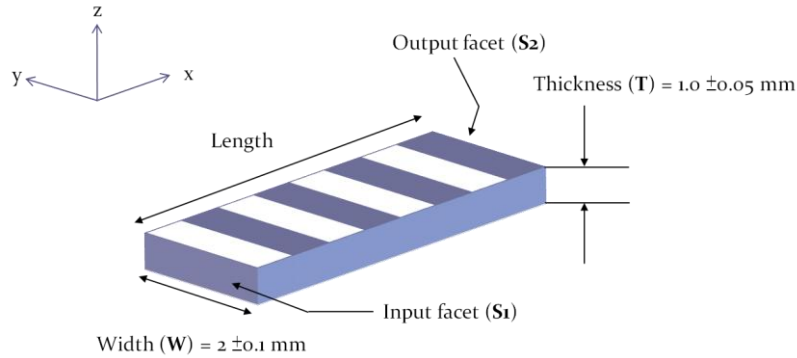


### - Chip Lay-Out



[Image for reference only. Not for scale.]

Items	Properties	Inspection
Material	5 mol.% MgO:LN	NA
Period ( $\Lambda$ , $\mu\text{m}$ )	19.36	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 (S <sub>1</sub> /S <sub>2</sub> facets)	775 (R < 0.5%) /1550 (R < 0.3%) nm	Spectral Analyzer
Aperture Size	2.0 x 1.0 mm <sup>2</sup> (W x T)	Cutting Machine
Available Length	10/25/50 ± 0.2 mm	
Channel Clear Aperture	$\geq 80\%$ (T), $\geq 90\%$ (W)	NA

### - Phase Matching Tuning Curve

