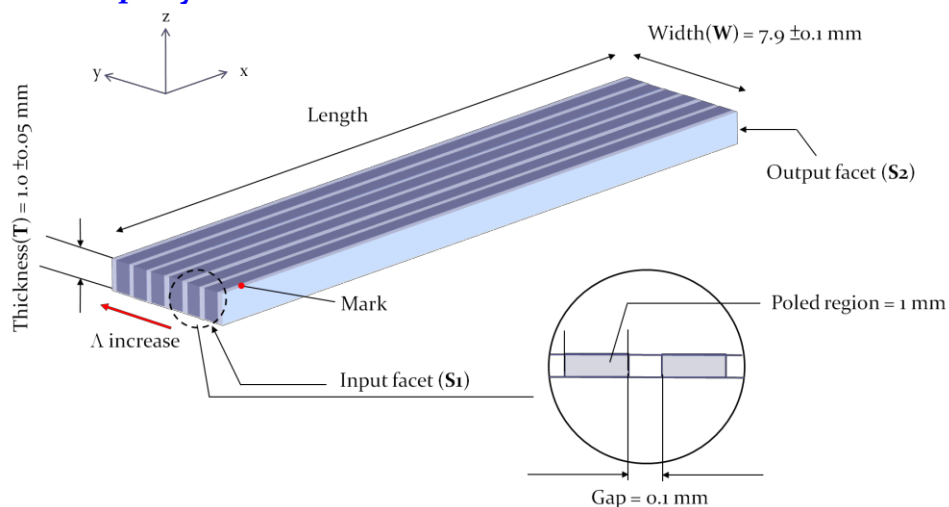


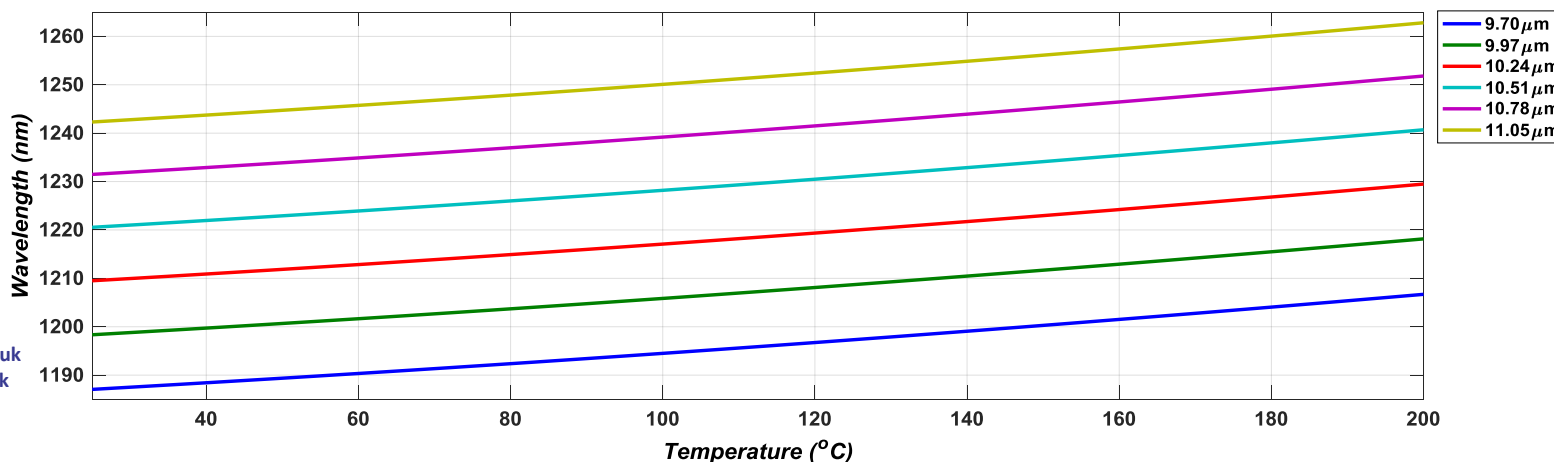
### - Chip Lay-Out



[Image for reference only. Not for scale.]

Items	Properties	Inspection
Material	5 mol.% MgO:LN	NA
Period ( $\Lambda$ , $\mu\text{m}$ )	9.70, 9.97, 10.24, 10.51, 10.78, 11.05	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 @590~680 (R<0.5%) /1180~1360 (R<0.5%)nm	Spectral Analyzer
Aperture Size	$7.9 \times 0.5 \text{ mm}^2$ (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



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