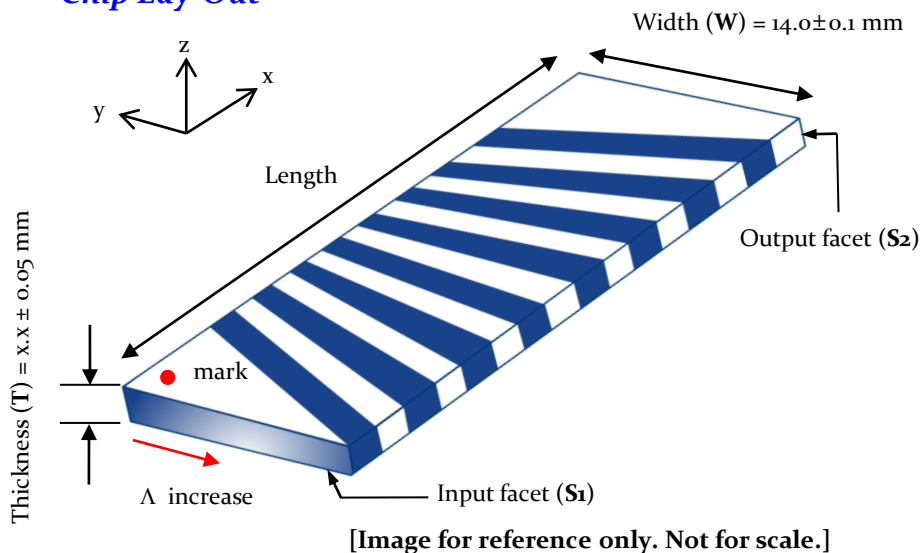


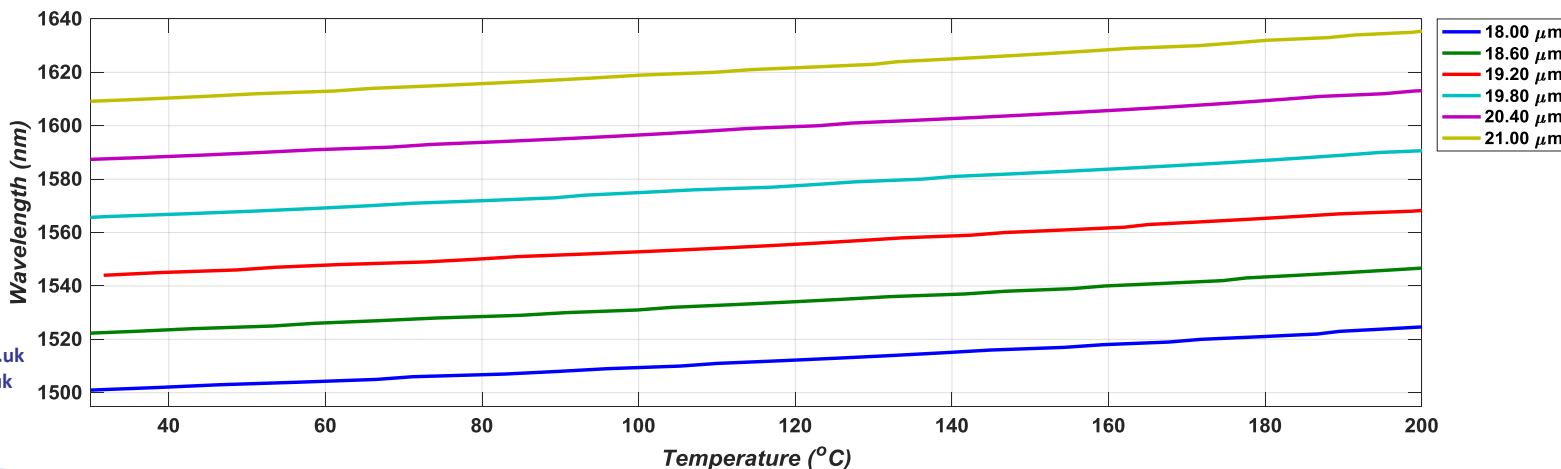
### - Chip Lay-Out



Items	Properties	Inspection
Material	5 mol.% MgO:LN	NA
Period ( $\Lambda$ , $\mu\text{m}$ )	18.00~21.00	Microscope
Main Function	Second Harmonic Generation	NA
Parallelism/Perpendicularity	$\leq 5' / 21'$	Autocollimator
Flatness	$\leq \lambda / 6$	Interferometer
Scratch/Dig	$\leq 20 / 10$	Microscope
Optical coating (S1/S2 facets)	Si/S2 @750~810(R<0.5%) /1500~1620(R<0.5%) nm	Spectral Analyzer
Aperture Size	14.0 x 1.0 mm <sup>2</sup> (W x T)	Cutting Machine
Available Length	1.0 +/- 0.1 mm	
Clear Aperture *	$\geq 80\%$ (T), $\geq 10.9$ mm (W) * <sub>1</sub>	NA

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

### - Phase Matching Tuning Curve



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