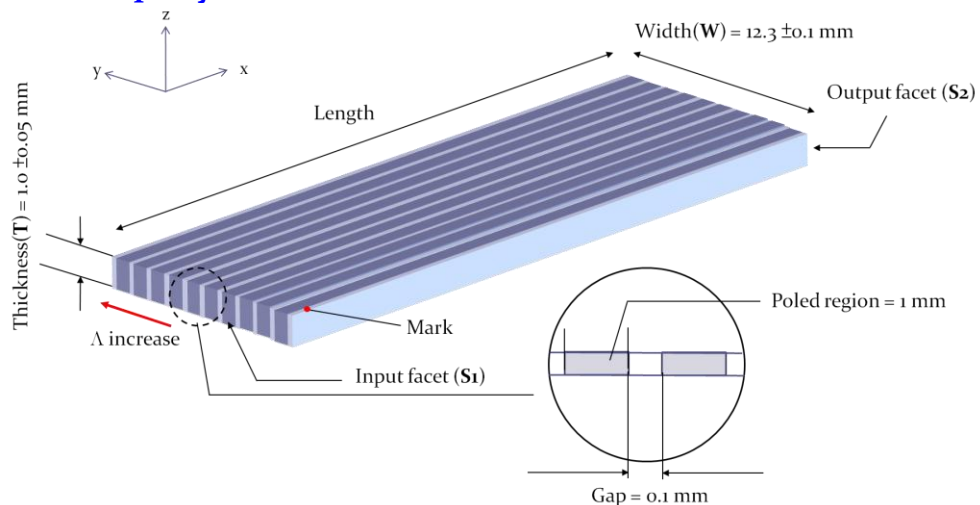


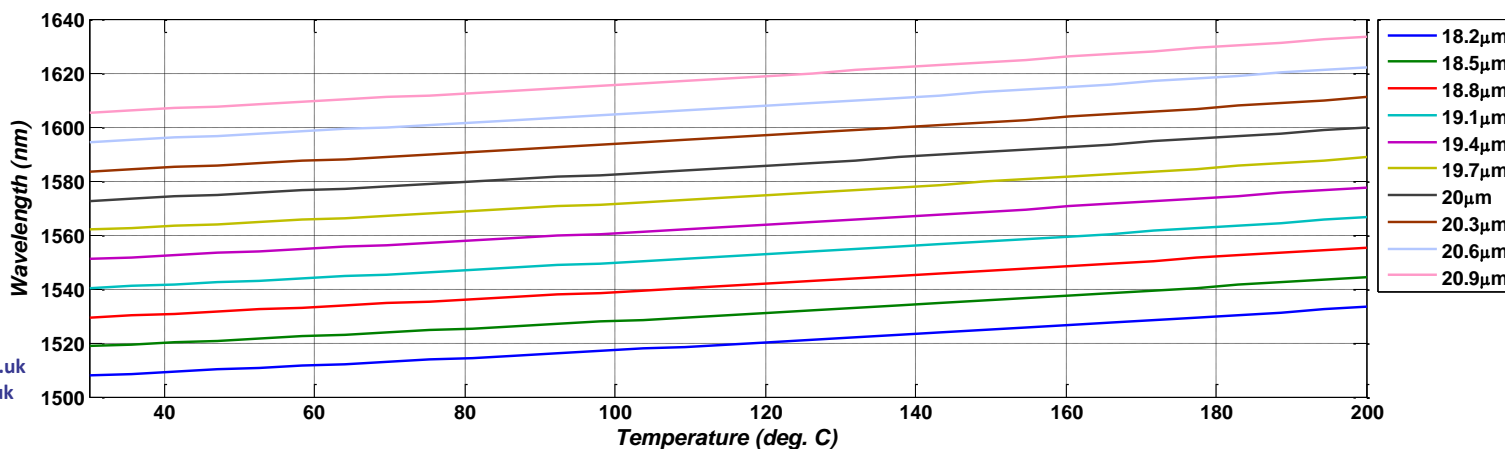
### - Chip Lay-Out



[Image for reference only. Not for scale.]

Items	Properties	Inspection
Material	5 mol.% MgO:LN	NA
Period ( $\Lambda$ , $\mu\text{m}$ )	18.20, 18.50, 18.80, 19.10, 19.40, 19.70, 20.00, 20.30, 20.60, 20.90	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 @750-810 (R<0.5%) /1500-1620 (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 ± 0.2 mm	
Channel Clear Aperture	≥80% (T), ≥90% (W)	NA

### - Phase Matching Tuning Curve



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