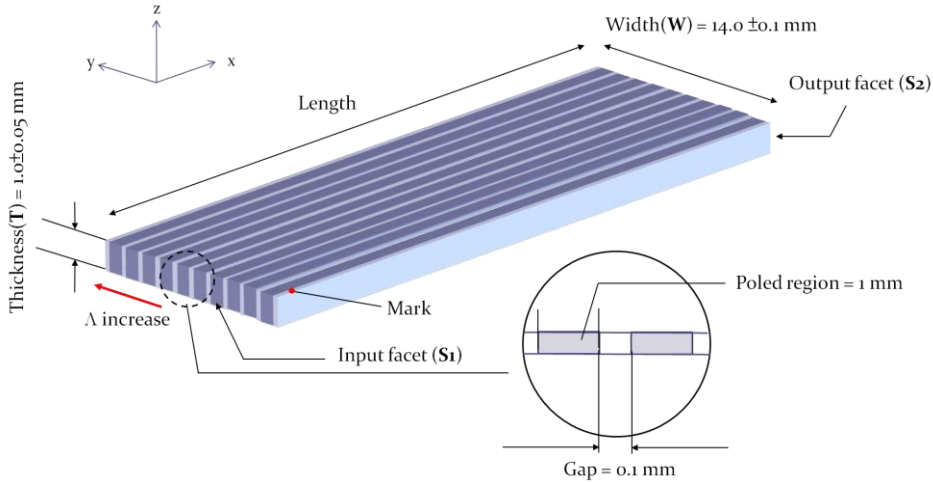
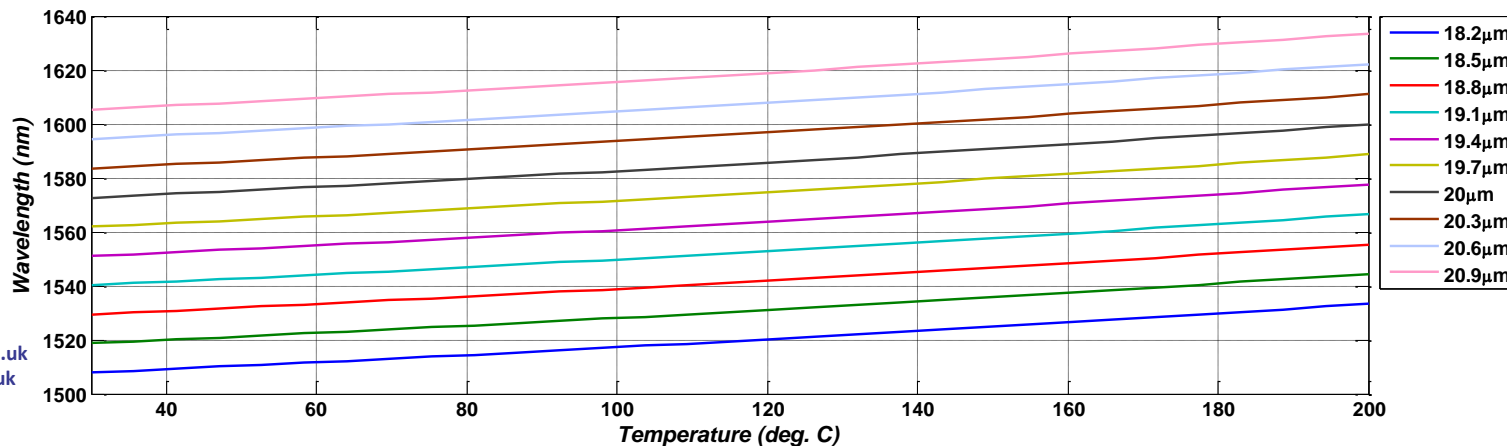


- Chip Lay-Out



[Image for reference only. Not for scale.]

- Phase Matching Tuning Curve



Items	Properties	Inspection
Material	5 mol.% MgO:LN	NA
Period (Λ , μm)	18.2, 18.5, 18.8, 19.1, 19.4, 19.7, 20.0, 20.3, 20.6, 20.9	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)	750-810 (R<0.5%) /1500-1620 (R<0.3%) nm	Spectral Analyzer
Aperture Size	14.0 x 1.0 mm ² (W x T)	Cutting Machine
Available Length* ¹	0.3/0.5/1.0 mm* ¹	
Channel Clear Aperture	$\geq 80\%$ (T), $\geq 90\%$ (W)	NA

*¹ Refer to length of periodically poled. Physical length is 1.0 ± 0.1 mm.



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