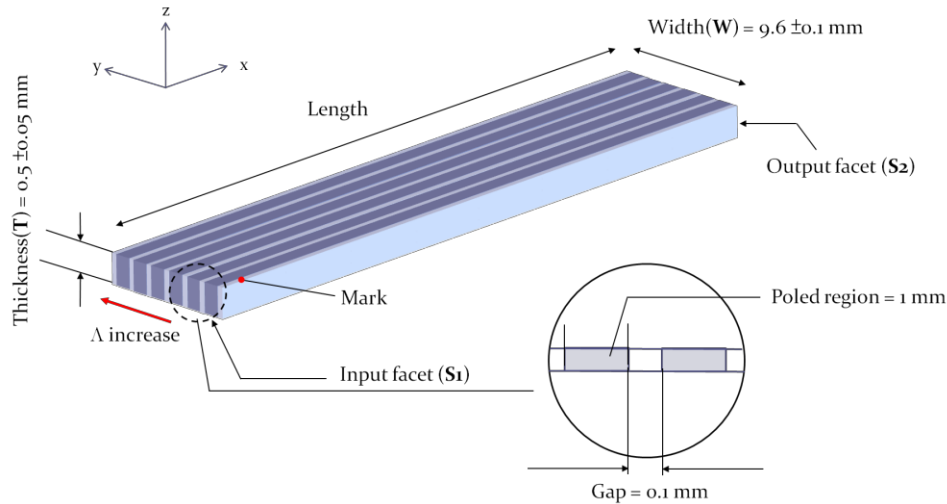


### - Chip Lay-Out

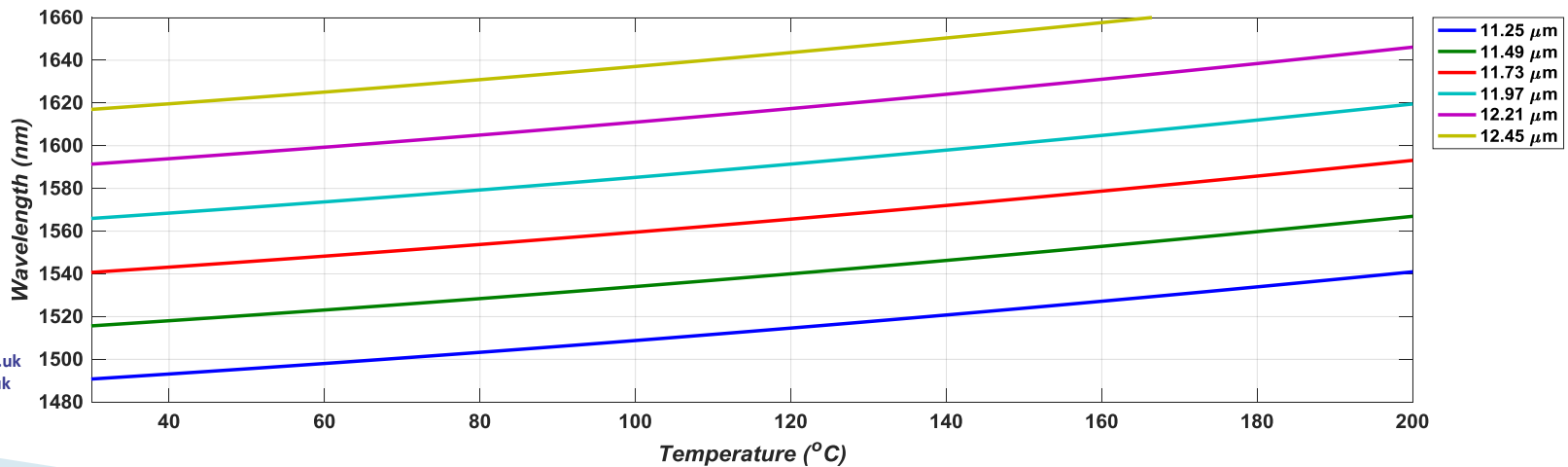


[Image for reference only. Not for scale.]

Items	Properties	Inspection
Material	5 mol.% MgO:LN	NA
Period (Λ, μm)	11.25, 11.49, 11.73, 11.97, 12.21, 12.45	Microscope
Main Function	Sum-Frequency Generation	NA
Parallelism/Perpendicularity	≤ 5' / 21'	Autocollimator
Flatness	≤ λ / 6 (λ = 633 nm)	Interferometer
Scratch/Dig	≤ 20 / 10	Microscope
Optical Coating (S <sub>1</sub> /S <sub>2</sub> facets)	S <sub>1</sub> /S <sub>2</sub> @625~642/1020~1080 / 1520~1620 (R < 0.5%) nm	Spectral Analyzer
Aperture Size	9.6 x 1.0 mm <sup>2</sup> (W x T)	Cutting Machine
Available Length	0.3 / 0.5 / 1.0 mm <sup>*1</sup>	
Channel Clear Aperture	≥ 80% (T), ≥ 90% (W)	NA

\*1 Refer to the length of poled grating. Physical length is 1.0 ± 0.1 mm.

### - Phase Matching Tuning Curve



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