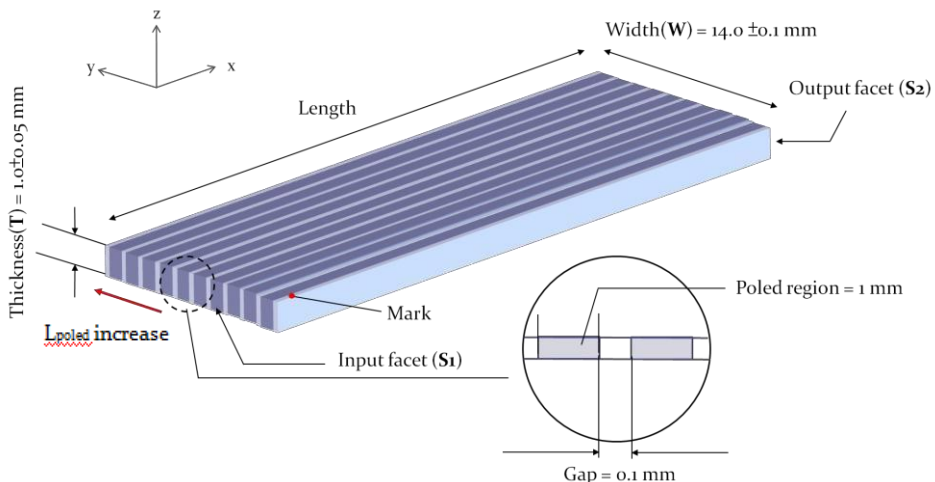


- Chip Lay-Out

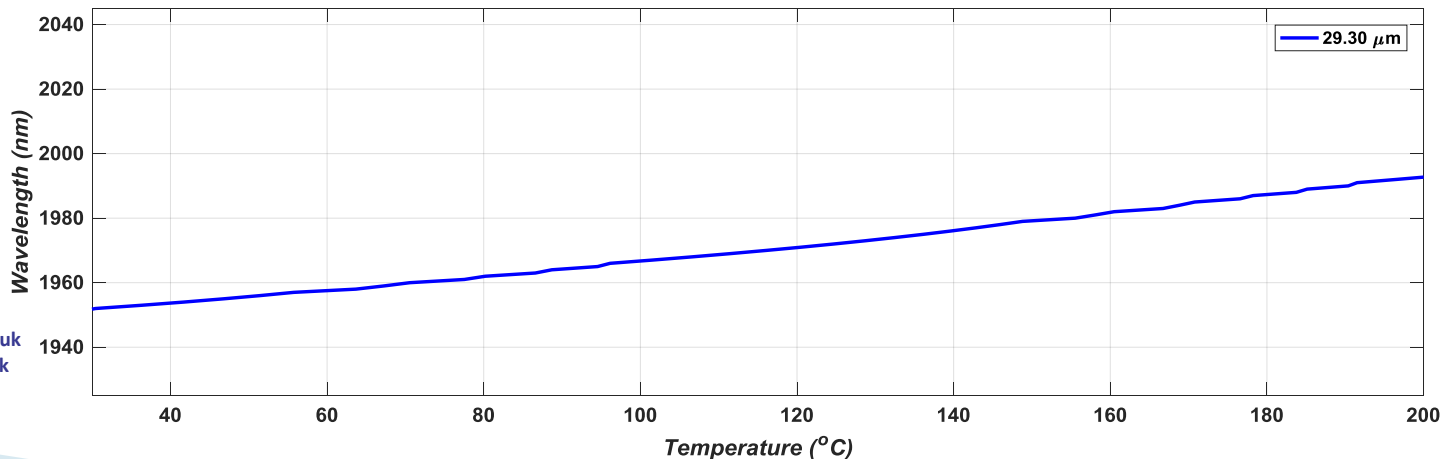


[Image for reference only. Not for scale.]

Items	Properties	Inspection
Material	5 mol.% MgO:LN	NA
Period ($\Lambda, \mu\text{m}$)	29.30~29.30	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 @ 960~1150 (R<0.5%) /1925~2300 (R<0.5%) nm	Spectral Analyzer
Aperture Size	14.0 x 1.0 mm ² (W x T)	Cutting Machine
Available Length [*]	Poled length (L_{poled}) from 0.1mm to 1mm and step 0.1mm	
Channel Clear Aperture	$\geq 80\%$ (T), $\geq 90\%$ (W)	NA

^{*} Refer to length of periodically poled. Physical length is 1.0 ± 0.1 mm.

- Phase Matching Tuning Curve



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