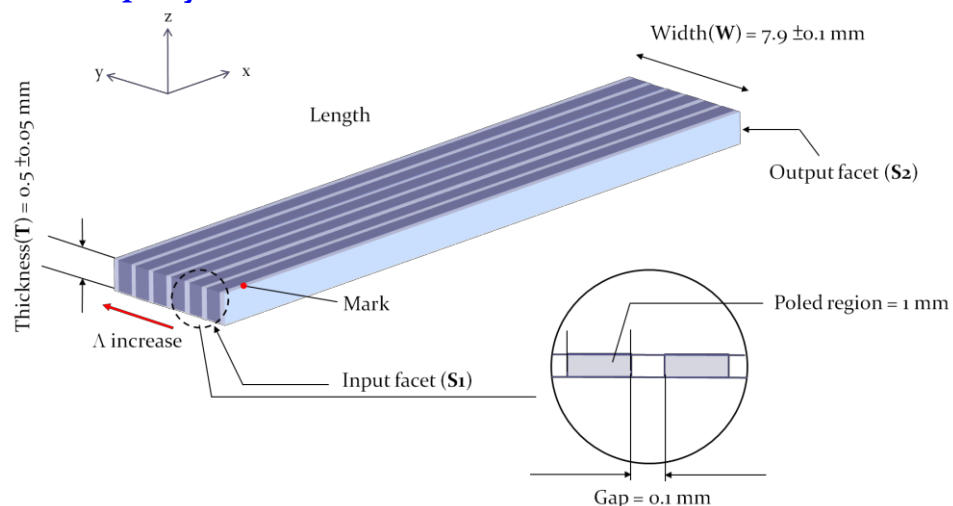


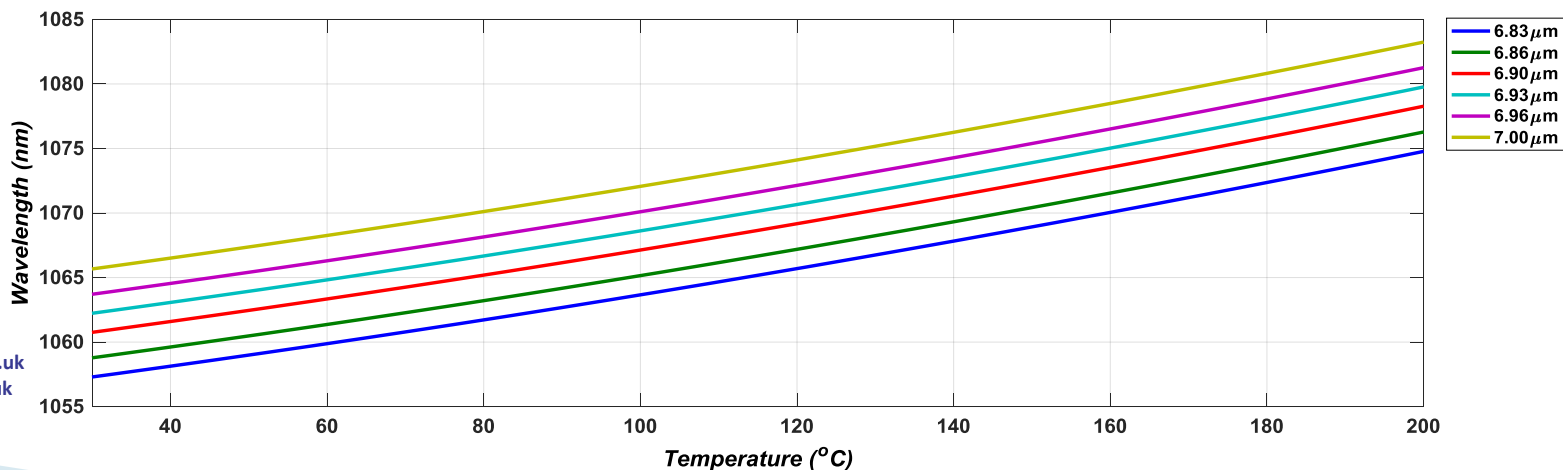
- Chip Lay-Out



[Image for reference only. Not for scale.]

| Items | Properties | Inspection |
|-----------------------------------|---|-------------------|
| Material | 5 mol.% MgO:LN | NA |
| Period ($\Lambda, \mu\text{m}$) | 6.83, 6.86, 6.90, 6.93, 6.96, 7.00 | 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 @485~590(R<0.5%) /970~1180(R<0.5%) nm | Spectral Analyzer |
| Aperture Size | 7.9 x 0.5 mm ² (W x T) | Cutting Machine |
| Available Length | 10/25/50 mm | |
| Channel Clear Aperture | $\geq 80\%$ (T), $\geq 90\%$ (W) | NA |

- Phase Matching Tuning Curve



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