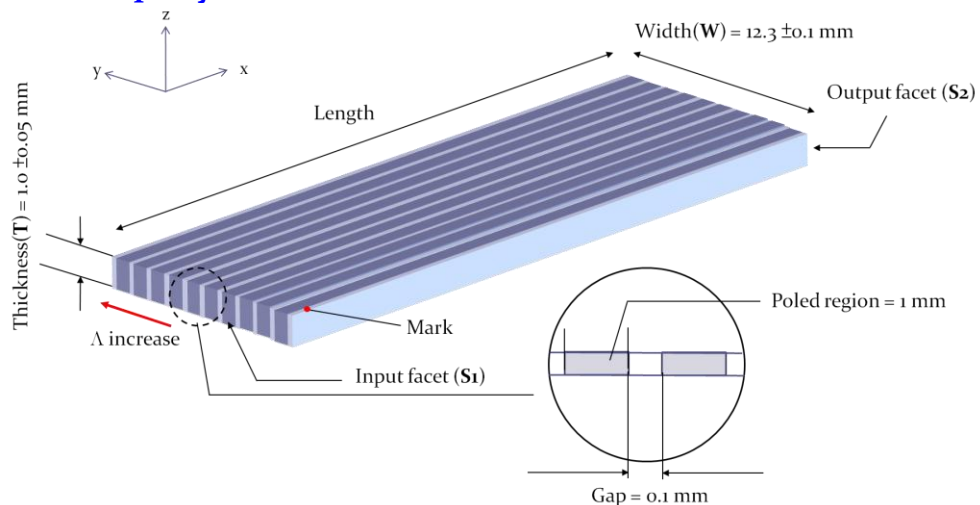


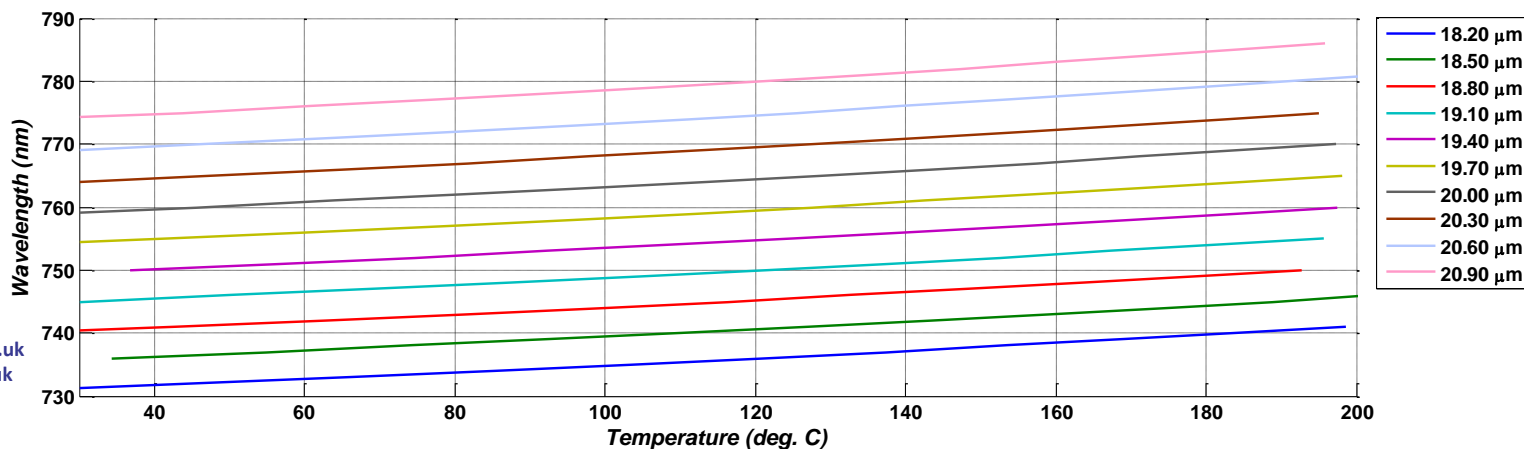
- Chip Lay-Out



[Image for reference only. Not for scale.]

| Items | Properties | Inspection |
|--------------------------------------|---|-------------------|
| Material | 5 mol.% MgO:LN | NA |
| Period (Λ , μm) | 18.20, 18.50, 18.80, 19.10, 19.40, 19.70, 20.00, 20.30, 20.60, 20.90 | Microscope |
| Main Function | Difference Frequency 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 @730-870($R < 0.5\%$) / 1064($R < 0.5\%$) / 2300-4800($R < 5\%$) nm | Spectral Analyzer |
| Aperture Size | 12.3 x 1.0 mm ² (W x T) | Cutting Machine |
| Available Length | 10/25/50 \pm 0.2 mm | |
| Channel Clear Aperture | $\geq 80\%$ (T), $\geq 90\%$ (W) | NA |

- Phase Matching Tuning Curve



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