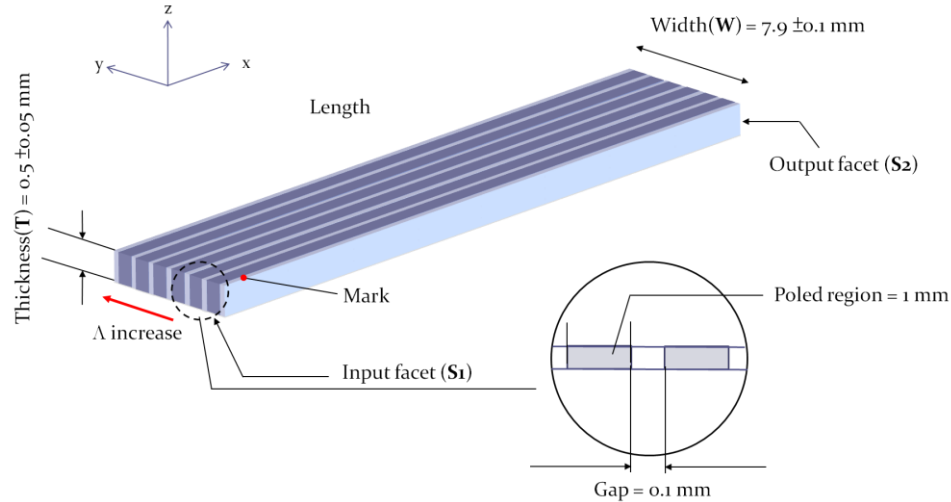


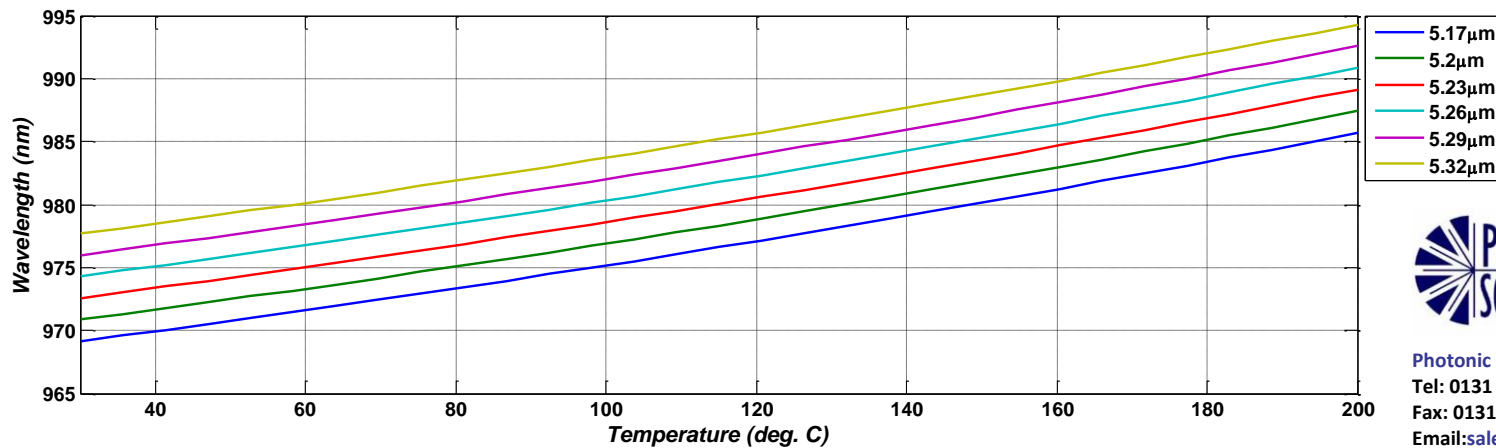
### - Chip Lay-Out



[Image for reference only. Not for scale.]

Items	Properties	Inspection
Material	5 mol.% MgO:LN	NA
Period (Λ, μm)	5.17, 5.20, 5.23, 5.26, 5.29, 5.32	Microscope
Main Function	Second Harmonic 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> @ 485~590 (R < 0.5%) / 970~1180 (R < 0.5%) nm	Spectral Analyzer
Aperture Size	7.9 x 0.5 mm <sup>2</sup> (W x T)	Cutting Machine
Available Length	10 / 25 / 50 ± 0.2 mm	
Channel Clear Aperture	≥ 80% (T), ≥ 90% (W)	NA

### - Phase Matching Tuning Curve



Photonic Solutions Ltd  
 Tel: 0131 664 8122  
 Fax: 0131 449 7301  
 Email: sales@photronicsolutions.co.uk  
 Web: www.photronicsolutions.co.uk