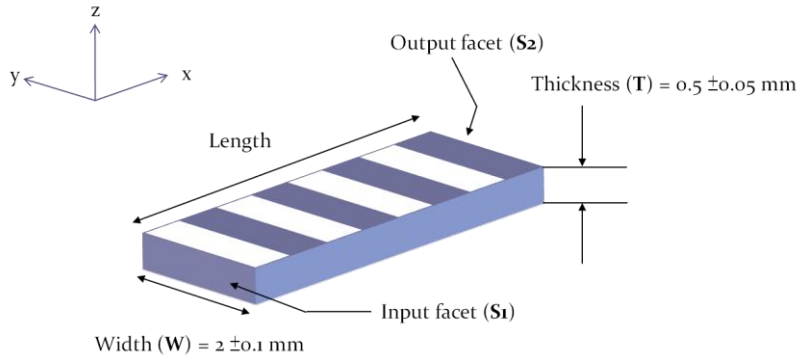


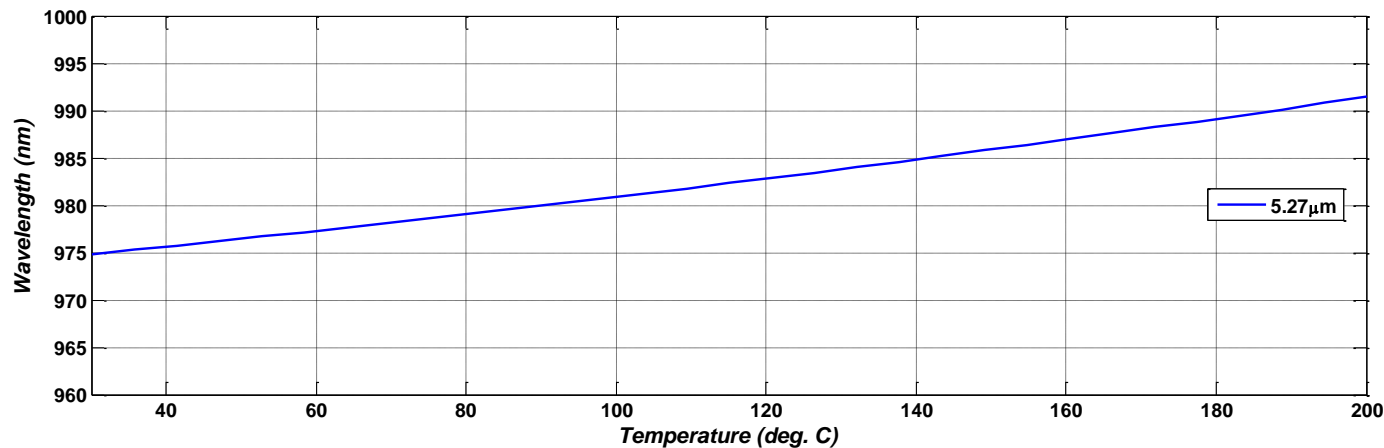
- Chip Lay-Out



[Image for reference only. Not for scale.]

Items	Properties	Inspection
Material	5 mol.% MgO:LN	NA
Period (Λ , μm)	5.27	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 (S ₁ /S ₂ facets)	488(R<0.5%) /976(R<0.3%) nm	Spectral Analyzer
Aperture Size	2.0 x 0.5 mm ² (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