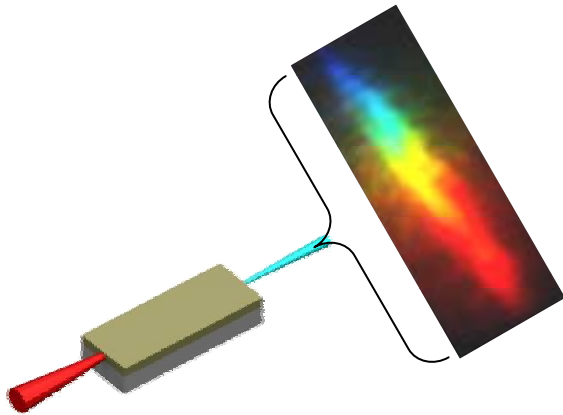


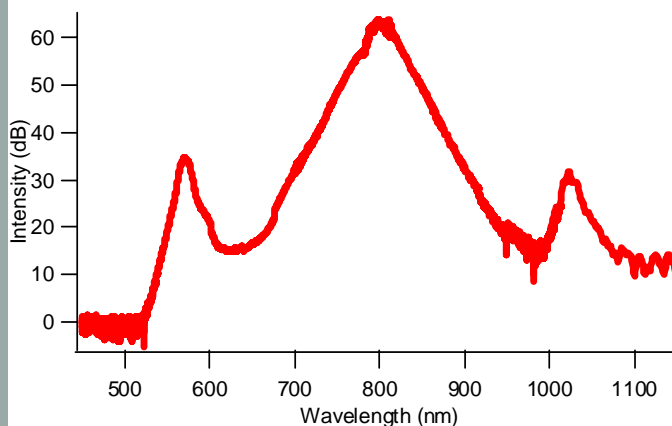


Preliminary



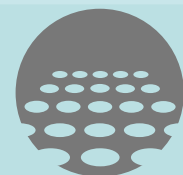
The Mesophotonics waveguide chip provides a highly stable long lived source of ultra wide bandwidth continuum. By removing the competing non-linear mechanisms present in alternative methods of continuum generation the mesophotonics CGC provides a spectrum with new levels of spectral and temporal stability. Furthermore the material has proven resistance to blue and ultraviolet exposure and therefore has excellent lifetime even under high power exposure.

Typical output spectrum at 10nJ excitation energy



Continuum Generation Chip

- Key Features
 - Low noise
 - Octave wide bandwidth
 - Smooth spectrum
 - Low threshold
 - High stability
 - Long life
 - Compact
- Applications
 - Optical coherence tomography (OCT)
 - Spectroscopy
 - Frequency metrology



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Product Bulletin:- Continuum Generation Chip



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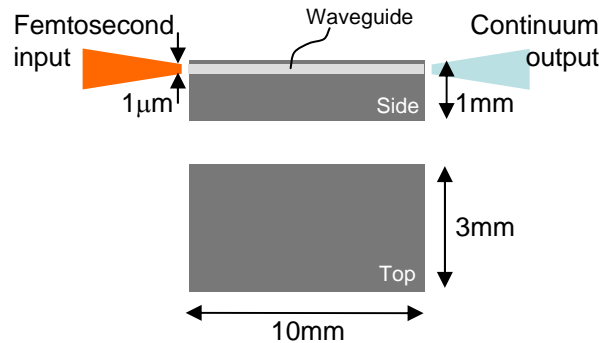
Preliminary

Typical operating parameters

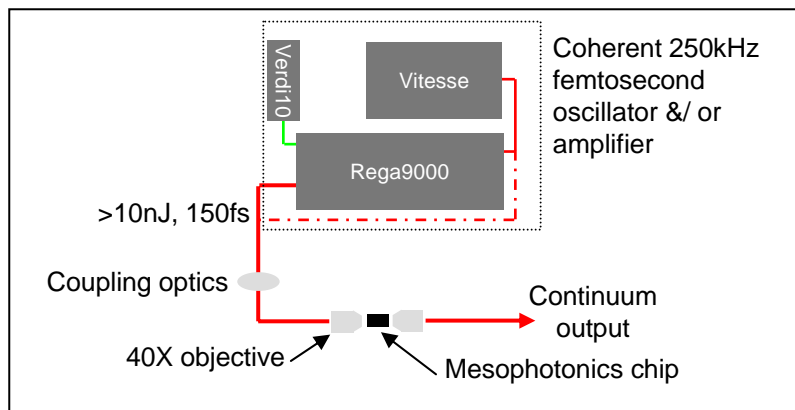
Excitation source	
Energy	>10nJ
Pulse width	150fs
Wavelength	800nm
Repetition rate*	250kHz
Average power*	>3mW
Generated Continuum	
Bandwidth	>600nm

*Threshold for continuum generation may also be reached direct from high power femtosecond oscillators, e.g >1W average power @80Mhz

Chip Dimensions



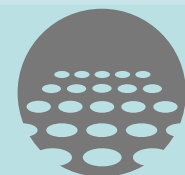
Schematic of typical continuum generation equipment



Ordering Information:

For information on this product please contact the Mesophotonics Sales team on +44 (0)20 8076 3752 or Sales@mesophotonics.com

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