

Innovative Ultrafast Laser Solutions

ADVANTAGES

- Optimized to be pumped by Clark-MXR Femtosecond Lasers
- Models designed for either the CPA-Series fiber seeded Ti:Sapphire regenerative amplifiers or the Impulse-Series Yd-doped fiber oscillator/amplifiers
- Near TEM00 output mode
- Compact, user-friendly design
- High beam quality
- Can be customized to user requirements/configurations

APPLICATIONS

- Pump/probe spectroscopy/microscopy
- CARS spectroscopy/microscopy
- High S/N pump/probe spectroscopy & microscopy
- Photoelectron spectroscopy/microscopy
- 2D spectroscopy
- Ultrafast electron microscopy

STORC

Harmonic Generator Module for CPA-Series and
IMPULSE-Series Femtosecond Lasers



Second, third and fourth harmonics from a compact box!

STORC is a harmonic generator add-on for Clark-MXR products. Optimized versions designed to be mated with the CPA-Series, fiber-seeded Ti:Sapphire regenerative amplifiers or with the IMPULSE-Series Yb-doped fiber oscillator/amplifiers are available. In comparison to optical parametric devices, STORC add-ons provide a simpler and more cost effective option to extend the available wavelengths ranges of the lasers. STORC can be customized for any given repetition rate and to generate second, third and fourth harmonics extending the near-infrared (NIR) output from the lasers wavelengths into the visible and ultraviolet (UV) range.

Specifications:

(all the specifications are customizable)

	CPA-Series	Impulse-Series
SHG	387 nm	515 nm
THG	258 nm	343 nm
FHG	194 nm	258 nm
Transverse Mode	near TEM ₀₀	
Noise	<1% RMS for rep rates > 2Hz	
Electrical/Cooling	none	
Cooling requirements	none	
Polarization	Linear, horizontal	Linear, vertical

Notes:

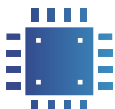
-Custom configurations



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