



# Harmonic Generator System (HGS)

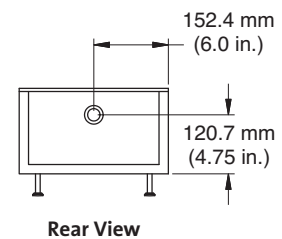
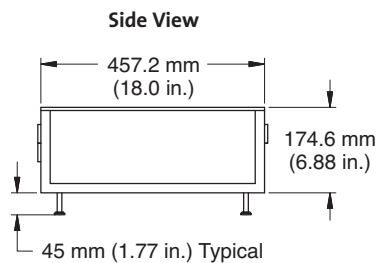
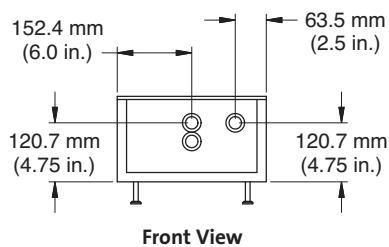
Second-, Third-, and Fourth- Harmonic Accessory for Ti:Sapphire Amplifiers

## Features

- Simple collinear mixing configurations
- Compatible with Coherent 35 fs to 130 fs, and 0.5 ps to 1.5 ps Ti:Sapphire amplifiers (Legend Elite™, Libra™, Hydra)
- High-damage-threshold, high-conversion efficiency BBO crystals
- Includes wavelength separation mirrors, waveplates, focusing optics, and more
- Stand-alone enclosure – two enclosures are required for fourth harmonic



## Mechanical Specifications



Superior Reliability & Performance

## Harmonic Generator System (HGS)

Second-, Third-, and Fourth- Harmonic Accessory for Ti:Sapphire Amplifiers

### Specifications

	HGS-D	HGS-T	HGS-F
Conversion Efficiency (% from 800 pump, fsec)	35	15	1
Power Stability (% rms)	1.5	2.5	3.5

Coherent follows a policy of continuous product improvement. Specifications are subject to change without notice.

Coherent's scientific and industrial lasers are certified to comply with the Federal Regulations (21 CFR Subchapter J) as administered by the Center for Devices and Radiological Health on all systems ordered for shipment after August 2, 1976.

Coherent offers a limited warranty for all Harmonic Generator Systems. For full details of this warranty coverage, please refer to the Service section at [www.Coherent.com](http://www.Coherent.com) or contact your local Sales or Service Representative.



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