



BETA 515 - 1 GHZ

This compact and reliable frequency-doubled femtosecond laser source is an excellent choice for OEM integration. It is particularly effective for applications that require dense packets of photons, with a short visible wavelength, short temporal coherence, and better transmission through water compared to near infrared.

KEY FEATURES



Self-contained



Plug and play



Reduced speckle

APPLICATIONS



Pump-probe



Biomedical
imaging



Underwater
LiDAR



LASER SPECIFICATIONS

Center wavelength	Average power	Power stability*	Repetition rate	Pulse energy	Pulse duration
[515 - 520] nm	> 120 mW	TBC	1.00 +/- 0.01GHz	>0.1 nJ	<350 fs

*measured over 7 days, free-running unstabilized, non-temperature-controlled environment

Spectral bandwidth	Peak power	Beam output	Beam diameter**	Beam quality	Polarization type
> 1 nm	>0.3 kW	Free-space	TBC	TBC	Linear

**measured at 15 cm from shutter

CASING SPECIFICATIONS

Dimensions	Weight	Consumption	Cooling	Interfaces
32x 14x4.5 cm ³	≤ 4 kg	24VDC, typ. 10W	Passive	Digital I/O USB

OPTIONS

Fiber-coupled	Shorter pulses	Two outputs (green & NIR)
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Typical values • Product appearance and specifications are subject to change without notice • Customized OEM version on request

