

LASOS® **DPSS-XT laser** series

Compact diode-pumped solid-state laser with
integrated controller electronics
Up to 100 mW output at 561 nm



YLK-XT 61xx TS

- Outstanding long term stability
- Compact design
- Excellent beam quality
- Single frequency
- Reliable and robust
- Maintenance free
- Suitable for OEM applications
- Software control via integrated USB
- Customization on request



Compact diode-pumped solid-state laser with integrated controller electronics

YLK-XT 61xx TS Specifications:

LASOS® DPSS-XT Laser series

The LASOS® DPSS laser series provides excellent beam quality in a variety of wavelengths based on the latest progress in solid state laser technology.

The recently introduced LASOS® DPSS-XT laser series makes OEM integration even simpler and is also ideally suited for flexible laboratory operation. All necessary control electronics are now fully integrated.

The LASOS® DPSS-XT laser series provides the ideal products for applications in:

- Spectroscopy
- Interferometry
- Confocal and fluorescence microscopy
- Bioanalytical research
- Particle measurements
- Metrology
- Industrial measurements
- Medical
- Science and education

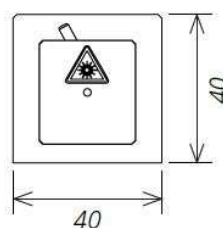
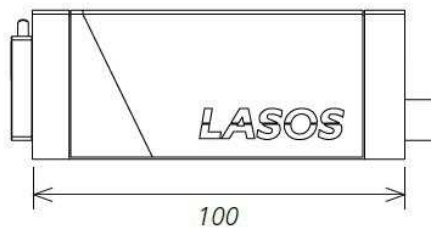
Customized solutions for specific applications are possible

Wavelength	561.3 nm ± 0.3 nm
Wavelength stability (8 h)	±0.002 nm
Spectral Linewidth ¹	< 1 MHz
Output power	20...100 mW
Output power stability within 8 h	±1.0 %
Noise 10 Hz ... 20 MHz	≤ 0.5 % rms
Warm up period	< 10 min
Transversal mode M ²	≤ 1.1
Beam waist diameter (1/e ²)	0.7 mm (0.32 mm on request)
Beam ellipticity	0.9 ... 1.1
Pointing stability	< 6 μrad K ⁻¹
Beam divergence	≤ 1.2 mrad
Polarisation ratio	≥ 200:1
Operating voltage	12 V
Controller	CKL 2405; CKL 1005

¹Allan Deviation for sample period < 0.5 s

Options on request

Dimensions:



LASOS

For worldwide photonics

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TE LINTELO SYSTEMS BV



photonics is our passion!

Te Lintelo Systems

Photonics is our passion!

Since 1985 Te Lintelo Systems represent prominent suppliers from all over the world for the Benelux countries with well-educated engineers, experience and knowledge.

Over the years we became the specialist in the field of Light metrology, opto-electronic equipment, Laser beam characterization and positioning, Optics, fiber optics and lasers.

Together with our high end suppliers we have the answer for you.

Te Lintelo Systems is your reliable source and long term partner. Service on all levels is for us our daily business. Our team is fully equipped to assist you with finding your best optical business solution. Let's get in touch!

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