

LASOS[®] **DPSS laser series**

Directly frequency-doubled solid-state laser
50 mW at 546 nm



GLK 4650 TS

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



Directly frequency-doubled solid-state laser

Specifications GLK series:

LASOS® DPSS laser series

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

The LASOS® DPSS laser series offers a reliable and compact single frequency laser source in the VIS.

The LASOS® DPSS laser series provide the ideal products for applications in:

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

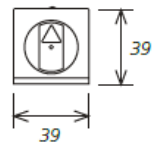
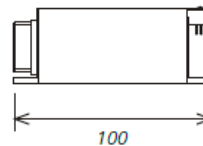
Customized solutions for specific applications are possible

Wavelength	546 nm ± 0.5 nm
Wavelength stability (8 h)	±0.002 nm
Spectral Linewidth ¹	< 1 MHz
Output power	50 mW
Output power stability within 8 h	< ±1.0 %
Noise 30 Hz ... 10 MHz	≤ 0.5 % rms
Warm up period	< 10 min
Transversal mode M ²	≤ 1.2
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
Polarization ratio	≥ 200:1
Controller	CKL 2440

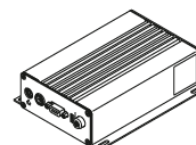
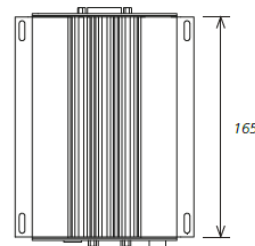
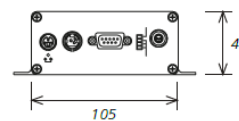
¹Allan Deviation for sample period < 0.5 s

Options on request

Dimensions [mm]:
Laser Head



Controller
(CKL 2440)



LASOS

For worldwide photonics

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